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ANNUAL REPORT

OF THE

Medical Officer of Health,

AND

OTHER RECORDS


FOR THE YEAR

1937.

DURHAM:

ADVERTISER PRINTING WORKS, SADDLER STREET

1938.



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Table A.—Urban and Rural Districts—Population, Birth-rate, Death-rate, etc.

Table B.—Urban and Rural Districts—Deaths at Certain Ages and from Certain Specified Causes.

Table C.—Sanitary Inspectors' Report.—Urban Districts.

Table Cl.—Sanitary Inspectors' Report.—Rural Districts.

Table D.—Chief Vital Statistics of Administrative County and of England and Wales.

THE COUNCIL OF THE COUNTY PALATINE OF DURHAM.

TO THE CHAIRMAN AND MEMBERS OF THE COUNTY COUNCIL OF
DURHAM.

LADIES AND GENTLEMEN,

I have pleasure in presenting my fourth annual report on the public health services of the County Council. The report has been compiled on lines indicated by the Ministry of Health.

The vital statistics taken as a whole are rather less satisfactory than in 1936. The birth-rate showed a further reduction (17.1) and is again the lowest on record for this administrative county. The total death-rate increased from 11.9 in 1936 to 12.4 during the past year. The infant mortality rate was 71 per 1,000 births and is the same as that for the previous year. A satisfactory decrease was, however, recorded in the maternal mortality rate.

The number of primary notifications of tuberculosis recorded during the year was 1,256 and is the lowest on record for this county. The death-rates from pulmonary (0.59) and non-pulmonary (0.15) tuberculosis are also the lowest on record.

A further increase was recorded in the incidence of diphtheria, 3,561 cases being notified, which is the highest number recorded in this administrative county, the previous highest being in 1936, when 3,201 cases were notified. The death-rate from diphtheria also showed an increase, being 0.26, compared with 0.22 in 1936. The disease was prevalent in practically every sanitary district in the administrative county.

The provision of an adequate supply of safe, clean milk continues to be a matter of concern to the County Council, and while a relatively small proportion of the milk sold is at present designated, it is satisfactory to be able to record a substantial increase in the number of licences issued during the year to produce and sell designated milk.

An outstanding feature of the year's work was the preparation of a scheme for the provision of an adequate domiciliary midwifery service in the administrative county as required by the Midwives Act, 1936. The scheme involved a considerable amount of preliminary arrangement and was put into operation on the 1st October.

Conferences with hospital authorities were completed and towards the end of the year a scheme for the provision of adequate hospital accommodation for the treatment of infectious diseases within the County of Durham was prepared under Section 185 of the Public Health Act, 1936. The scheme was submitted for approval to the Minister of Health early in 1938.

Towards the end of the year consultations were nearing completion with district councils prior to the formation of a scheme for securing that every medical officer of health subsequently appointed for a county district shall be restricted from engaging in private practice as required under Section 111 of the Local Government Act, 1933. It is hoped that the scheme may be submitted to the Minister of Health for his approval early in 1938.

A booklet setting forth information regarding the health services available was prepared and approximately 1,700 copies were distributed throughout the administrative county.

Building operations were continued during the year on the colony for mental defectives at School Aycliffe. The Minister of Health has approved in principle the proposal of the County Council to proceed with the second stage of the scheme, which will extend the accommodation to 1,040 beds.

I should again like to take this opportunity of expressing my appreciation to the Chairman and Members of the County Health Committee for their consideration and co-operation.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

Shire Hall, Durham,

JAMES McINTYRE.

June, 1938.

STAFF OF THE COUNTY HEALTH DEPARTMENT.

COUNTY MEDICAL OFFICER OF HEALTH.

J. McIntyre, B.Sc., M.D., Ch.B., D.P.H.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH.

C. M. Smith, M.A., M.D., Ch.B., D.P.H. (resigned 10/8/37).

I. McCracken, M.B., Ch.B., D.P.H. (appointed 1/9/37).

ASSISTANT MEDICAL OFFICER FOR PUBLIC MEDICAL SERVICES.

A. E. Raine, M.B., B.S.

CHIEF TUBERCULOSIS MEDICAL OFFICER.

D. F. Macrae, M.B., Ch.B., D.P.H.

DISTRICT TUBERCULOSIS MEDICAL OFFICERS.

J. S. Allan, L.R.C.P. & S., L.R.F.P.S., D.P.H. (part-time).

J. A. Miller, M.B., B.S.

G. B. Murray, M.B., Ch.B., D.P.H. (part-time).

C. A. O'Neill, M.B., Ch.B., B.A.O.

A. L. Robinson, L.M.S.S.A.

J. D. Trail, M.B., Ch.B.

VENEREAL DISEASES CLINICAL MEDICAL OFFICER.

W. G. Annan, M.B., Ch.B., F.R.C.S.

SENIOR WELFARE MEDICAL OFFICER.

M. E. Howie, M.B., B.S. (retired 24/1/37).

E. S. Williamson, B.Sc., M.B., L.L.A., D.P.H. (promoted 25/1/37).

ASSISTANT WELFARE MEDICAL OFFICERS.

C. M. Anderson, M.B., Ch.B., D.P.H.

M. L. Bainbridge, M.B., Ch.B., M.R.C.S., L.R.C.P.

H. Blacklay, M.B., Ch.B., D.P.H., L.M.

K. Booth, M.B., B.S. (appointed 1/1/37).

E. E. Brown, M.B., Ch.B.

M. F. Fraser, M.A., M.B., B.Ch., D.P.H.

M. J. Hegarty, M.B., B.Ch., B.A.O., D.P.H. (appointed 1/3/37).

M. K. Henegan, M.B., B.S., D.P.H.

M. Hopper, M.B., B.S., B.Hy., D.P.H.

M. T. McFadden, M.B., B.Ch., B.A.O.

J. Mackay, M.B., Ch.B. (appointed 1/8/37).

G. E. McVitie, M.B., B.S.

E. Patterson, M.B., B.S., B.Hy., D.P.H.

M. Raw, B.Sc., M.B., B.S.

W. M. Rodgers, M.B., B.Ch., B.A.O., D.P.H.

V. Thompson, M.B., Ch.B., D.P.H.

MEDICAL SUPERINTENDENT, HOLYWOOD HALL SANATORIUM.

J. W. Gray, M.A., B.Sc., M.D., Ch.B.

ASSISTANT MEDICAL OFFICER, HOLYWOOD HALL SANATORIUM.

T. E. Dickinson, M.D., Ch.B., D.P.H.

MEDICAL SUPERINTENDENT, SEAHAM HALL SANATORIUM.

W. C. Pinkney, M.B., B.S.

JUNIOR RESIDENT MEDICAL OFFICER, SEAHAM HALL SANATORIUM.

T. A. Cockburn, M.B., B.S. (resigned 10/10/37).

G. A. Flann, M.B., B.S. (appointed 1/11/37).

MEDICAL OFFICER, EARL'S HOUSE SANATORIUM.

J. A. Stobbs, M.D., B.S.

MEDICAL OFFICER, RICHARD MURRAY HOSPITAL JOINT BOARD.

K. Tatz, M.R.C.S., L.R.C.P., D.G.O. (appointed 1/4/37).

CONSULTANT OBSTETRICIANS.

H. Evers, M.S., M.B., B.S., F.R.C.S., L.R.C.P. (Newcastle).

W. Hunter, M.D., B.S.

R. P. R. Lyle, M.D., B.Ch., B.A.O., B.A., L.R.C.P. (Newcastle).

E. F. Murray, M.D., Ch.B., F.R.C.S. (Newcastle).

S. Raw, M.D., B.S., F.R.C.S. (Sunderland).

S. Ritson, B.Sc., M.B., B.S., M.S., F.R.C.S., M.R.C.S., L.R.C.P.
(Sunderland).

Z. M. H. Ross, M.B., Ch.B., F.R.C.S. (Sunderland).

A. A. Smith, M.D., B.S., M.R.C.S., L.R.C.P. (Sunderland).

F. E. Stabler, M.D., B.S., F.R.C.S. (Newcastle).

G. F. Walker, M.D., Ch.B., M.R.C.P. (Sunderland).

DENTAL SURGEONS—PART-TIME AT WELFARE CENTRES.

W. Moss, L.D.S.

N. Peters, L.D.S.

R. W. Sibson, L.D.S., R.C.S.

T. H. Smailes, L.D.S.

G. E. Soper, L.D.S.

S. Todd, L.D.S.

COUNTY ANALYST (part-time).

C. J. H. Stock, B.Sc., F.I.C.

COUNTY HEALTH INSPECTOR.

W. D. Parry, A.I.S.E., A.R.S.I., M.R.Inst.P.H. & H.

SUPERINTENDENT HEALTH VISITOR.

Miss H. S. C. Hodgson, M.B.E.

ASSISTANT SUPERINTENDENT HEALTH VISITORS.

Miss M. H. Steel.

Miss M. A. Roddam.

HEALTH VISITORS.

There are 96 health visitors on the staff, and the following summary shows the qualifications possessed by each health visitor :

Supt. Health Visitor possesses qualifications number			
		4, 6, 9, 11	1 Ministry of Health Certificate for Health Visitors.
1 Asst. Supt. Health Visitor,,		3, 5, 9, 11	2 Board of Education Diploma, Health Visitors.
1,,		4, 6, 9, 13	3 Health Visitors' Certificate (Royal Sanitary Institute).
51 Health Visitors,,		1, 9, 11	4 Sanitary Inspectors' Certificate (Royal Sanitary Institute).
16,,		3, 9, 10	5 Maternity and Child Welfare Certificate (Royal Sanitary Institute).
4,,		3, 10	6 Sanitary Inspectors' Certificate (Sanitary Inspectors' Examination Board).
1,,		4, 10	7 Diploma of Social Science (Edinburgh University).
1,,		9, 10	8 Certificate of Hygiene (Liverpool University).
1,,		10	9 Certificate of Central Midwives Board.
4,,		2, 3, 9	10 Full General Training of a Nurse.
1,,		2, 3, 10	11 State Registered Nurse.
1,,		2, 3, 9, 11	12 Full Training of a Sick Children's Nurse.
1,,		1, 3, 9, 10	13 Some Hospital Training.
1,,		4, 9, 10	
1,,		2, 3, 5, 9, 10	
1,,		3, 9	
3,,		4, 9	
2,,		2, 4, 9	
1,,		4, 7, 9	
1,,		3, 7, 9	
1,,		4, 6, 9	
1,,		8, 9	
1,,		8, 9, 13	
1,,		2, 3, 9, 13	
1,,		2, 3, 13	

Also 4 part-time health visitors.

COUNTY MIDWIVES INSPECTOR.

Miss E. F. Brown (Qualifications 3, 4, 9, 11).

ASSISTANT COUNTY MIDWIVES INSPECTOR.

Miss K. Furness (Qualifications 2, 9, 10).

146 County Midwives.

CHIEF VETERINARY OFFICER.

H. B. Allan, M.R.C.V.S., D.V.S.M.

DEPUTY CHIEF VETERINARY OFFICER.

E. R. Callendar, M.R.C.V.S.

ASSISTANT VETERINARY OFFICERS.

G. S. Beattie, M.R.C.V.S., D.V.S.M.

T. Johnson, M.R.C.V.S., D.V.S.M.

H. P. Lightfoot, M.R.C.V.S.

J. Smith, B.Sc., M.R.C.V.S.

WEIGHTS & MEASURES INSPECTORS, WHO ALSO ACT AS FOOD AND DRUGS SAMPLING OFFICERS.

J. Hallimond (Chief).

J. W. Bache (Deputy).

F. J. Evans.

A. Graham.

T. Lamb.

E. G. Pickering.

J. Trotter, B.Sc.

G. W. Woods.

COUNTY SANATORIA.

3 Matrons, 3 School Teachers, Nursing, Domestic and Outdoor Staffs.

COUNTY MATERNITY HOME.

Matron and Nursing and Domestic Staffs.

E. F. PEILE COUNTY CONVALESCENT HOME.

Matron and Nursing and Domestic Staffs.

Caretakers of Tuberculosis Dispensaries and Child Welfare Centres.

Two Venereal Diseases Orderlies.

One Motor Ambulance Driver.

CLERICAL.

Chief Clerk.

Four Senior Grade Clerks.

Eleven First Grade Clerks (six women).

Twenty-four Second Grade Clerks (seven women).

Nine Office Youths.

Seven Office Girls.

Fifteen Travelling Girl Clerks (office girls).

Four Clerks to District Tuberculosis After-Care Committees (part-time).

DISTRICT MEDICAL OFFICERS AND PUBLIC VACCINATORS.

Name.	Qualifications.	D.M.O.'s District.	No. of P.V.'s District.
Adamson, C.	M.A., M.B., B.Ch., M.R.C.S., L.R.C.P. ...	Durham (Eastern) ...	38
Allen, W. G. H.	M.B., B.S., L.R.C.P., L.R.C.S., L.R.F.P.S.	Heighington	66
Anderson, J. B. (P.V. only)	M.B., Ch.B.	—	28
Anderson, P. V.	M.B., B.S.	Shildon	51
Anderson, S. E. H.	M.B., B.S.	Cockfield	62
Bankhead, H. (Acting) ...	M.B., Ch.B.	Esh	16
Benson, W. A. (P.V. only)	L.R.C.P., L.R.C.S., L.R.F.P.S., T.D. ...	—	13
Bannerman, J.	M.B., C.M.	Stanhope	30
Boyle, A. B. (Acting) ...	B.Sc., M.B., B.Ch., B.A.O.	Witton Gilbert	20
Brown, R.	M.B., Ch.B.	Durham (St. Nicholas)	35
Bruce, L. H.	M.B., Ch.B.	Chilton	53
Cama, D. B.	L.R.C.P., L.R.C.S., L.R.F.P.S.	Escombe	43
Campbell, A. (M.O. only) (Acting)	M.B., Ch.B.	Evenwood	—
Charlton, A.	M.B., B.S.	Thornley (Tow Law) ...	32
Craven, J. G. (M.O. only) (Acting)	M.B., Ch.B.	Norton	—
Dawson, R.	M.A., M.D., Ch.B. ...	Middleton and Eggle- stone	60 & 61
Denholm, W. H.	M.B., B.S.	Durham (Western) ...	34
Dickey, T.	M.B., B.Ch., B.A.O. ...	Hylton	27
Duncan, C. (Acting)	M.B., L.M.S.S.A.	Chester-le-Street	23
Ewen, G. (M.O. only) ...	M.B., Ch.B.	Iveston	—
Fenwick, C. (P.V. only)	M.B., B.S., M.R.C.S., L.R.C.P.	—	19
Fletcher, R. (Acting) ...	M.B., Ch.B.	Park and Forrest	31
Forbes, A. (Acting)	M.B., Ch.B.	Boldon	10
French, D. G. (M.O. only) (Acting)	M.B., B.S.	Tunstall	—
Gillan, John (P.V. only)	M.A., M.B., C.M.	—	29
Gillan, James (M.O. only) (Acting)	M.B., Ch.B.	Ryhope	—
Gray, A. P. (Acting)	M.B., Ch.B.	Durham (Southern) and Thornley	37 & 39
Hall, H.	M.B., B.Ch., B.A.O. ...	Hartlepool	59
Hall, H. F. G. (P.V. only)	M.B., Ch.B.	—	7 & 9
Hardie, W. G.	M.B., Ch.B.	Howden	44
Harris, I. (P.V. only) ...	B.A., M.B., B.Ch.	—	3
Henderson, W. M. P.	M.A., B.Sc., M.B. Ch.B.	Chopwell	2
Hepburn, J. (M.O. only) (Acting)	L.R.C.P., L.R.C.S., L.R.F.P.S.	Medomsley	—
Hewitson, W. A.	M.B., M.S., F.R.C.S. ...	Easington	41
Hickey, W. J.	M.B., B.S.	Gainford	65

Name.	Qualifications.	D.M.O.'s District.	No. of P.V.'s District.
Hindhaugh, J. C. V. ...	M.B., B.S. ...	Bishopton & Sedgefield	56 & 57
Johnson, G. M. (Acting)	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Birtley ...	21
Johnston, L. A. M. ...	B.Sc., M.B., Ch.B., D.P.H. ...	Houghton ...	24
Kelly, A. D. (M.O. only)	M.B., B.S. ...	Newbottle ...	—
Kent, H.S. ...	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Middleton-St.-George ...	70
Kidd, E. ...	M.B., B.S. ...	Harraton ...	22
Kirk, T. J. (P.V. only)	M.B., Ch.B. ...	—	72
Laydon, J. H. (M.O. only) ...	M.B., B.S. ...	Jarrow ...	—
Leishman, A. ...	M.B., Ch.B. ...	Barnard Castle ...	63
Lishman, F. ...	M.B., B.S. ...	Crook ...	45
Livingston, J. A. ...	M.B., B.S. ...	Billingham ...	73
Livingston, J. C. (Acting)	M.B., B.S. ...	Byers Green ...	49
Lloyd, A. G. (M.O. only) (Acting) ...	M.R.C.S., L.R.C.P. ...	Penshaw ...	—
Macintyre, G. M. (Acting)	M.B., B.S. ...	Lanchester ...	14 & 15
MacKenzie, M. D. ...	M.B., Ch.B. ...	Consett ...	12
Macpherson, A. G. R. (Acting) ...	M.B., Ch.B. ...	West Auckland ...	47
Mather, G. S. (Acting) ...	M.B., Ch.B., D.P.H. ...	Greatham ...	58
McConchie, J. F. ...	M.B., Ch.B. ...	Wolsingham ...	33
McLaren, J. B. P. (M.O. only) (Acting) ...	M.B., Ch.B. ...	Ford ...	—
Millar, M. F. St. J. (M.O. only) (Acting) ...	M.B., B.S. ...	Heworth ...	—
Morrison, J. W. H. (M.O. only)	M.B., B.S., B.Hy., D.P.H., L.S.A. ...	Winlaton ...	—
Mukerji, N. (M.O. only) (Acting)	B.Sc., L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Stanley ...	—
Murray, J. (P.V. only)	M.B., B.Ch., B.A.O., R.U.I. ...	—	11
Neilan, J. A. (Acting) ...	L.R.C.P.I. & L.M., L.R.C.S.I. & L.M., D.P.H., L.M. ...	Seaham ...	42
Norman, J. C. ...	M.B., B.S. ...	Hebburn ...	8
Oliver, O. H. D....	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Cornforth ...	54
Parry, R. (M.O. only) ...	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Annfield Plain ...	—
Redmond, W. H. (Acting)	M.R.C.S., L.R.C.P. ...	Hamsterley ...	46
Ritchie, F. ...	M.B., Ch.B., D.P.H. ...	Stockton ...	71
Rollin, H. C. (P.V. only)	M.B., B.S. ...	—	17
Russell, R. G. (Acting) ...	M.B., Ch.B. ...	Wingate ...	40
Russell, T. ...	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Trimdon ...	55
Rutherford, R. (P.V. only) ...	M.B., B.S. ...	—	18
Sacco, J. A. (Acting) ...	M.B., B.S. ...	Ryton ...	1
Smith, A., Jr. ...	L.R.C.P., L.R.C.S., L.R.F.P.S. ...	Whickham ...	4

Name.	Qualifications.	D.M.O.'s District.	No. of P.V.'s District.
Smith, R. W. (M.O. only)	M.B., B.S.	Tanfield	—
Somerville, J. R. (M.O. only) (Acting)...	M.B., Ch.B.	Dunston	—
Stein, M.	M.B., Ch.B.	Ferryhill	52
Sutherland, C. R.	L.R.C.P., L.R.C.S., L.R.F.P.S.	Rainton	25
Tindall, R.	M.B., Ch.B.	Hurworth	69
Tinsley, S. V.	M.B., Ch.B.	Whitworth and Tudhoe	36 & 50
Ward, J. G.	M.B., Ch.B.	Cleatlam	64
Wardle, V. H.	L.R.C.P., L.R.C.S., L.R.F.P.S.	Bishop Auckland ...	48
Watson, A. S.	M.B., Ch.B.	Hetton	26
White, J. D. (P.V. only)	M.B., Ch.B.	—	6
Wilshaw, T. R.	L.S.A.	Piercebridge	67
Wilthew, T. N. (P.V. only)	L.R.C.P., L.R.C.S., L.R.F.P.S.	—	5
Wormald, T. L. (Acting)	M.D., B.S., B.Hy., D.P.H.	Darlington	68

**MEDICAL OFFICERS AND PUBLIC VACCINATORS OF
PUBLIC ASSISTANCE INSTITUTIONS AND
COTTAGE HOMES.**

Name.	Qualifications.	Institution.	No. of P.V.'s District.
Bannerman, J.	M.B., C.M.	Weardale	83
Duncan, C.	M.B., L.M.S.S.A. ...	Chester-le-Street ...	75
Hannay, A. S. (P.V. only)	M.B., Ch.B.	Cleadon Cottage Homes	84
Hewitson, W. A.	M.B., M.S., F.R.C.S. ...	Easington	77
Hindhaugh, J. C. V. ...	M.B., B.S.	Sedgefield	80
Johnston, L. A. M. ...	B.Sc., M.B., Ch.B., D.P.H.	Houghton-le-Spring ...	78
Leishman, A.	M.B., Ch.B.	Barnard Castle	82
MacIntyre, G. M.	M.B., B.S.	Lanchester	79
Macintyre, M. M.	L.R.C.P., L.R.C.S., L.R.F.P.S.	Medomsley Cottage Homes	85
McDonald, J. R.	M.B., Ch.B.	Durham	76
Ritchie, F.	M.B., Ch.B., D.P.H. ...	Stockton	81
Wardle, V. H.	L.R.C.P., L.R.C.S., L.R.F.P.S.	Auckland	74

VACCINATION OFFICERS.

Name.	Registration Sub-Districts.
*Armin, Mrs. L. ...	Annfield Plain, Consett, Lanchester.
*Armstrong, W. S....	Stanley.
*Bird, T. D. ...	Bishop Auckland.
*Blenkinsop, J. ...	Winlaton.
*Cartman, H. W. ...	Crook.
Clark, C. R. ...	Sunderland (Administrative County area).
*Davison, W. W. ...	Aycliffe, Hurworth.
*Foster, G. ...	Sildon.
*Hill, J. B. ...	St. John, Weardale.
Hogg, Miss S. ...	Jarrow, Hebburn, South Shields R, Heworth.
**Horn, W. A. ...	Chester-le-Street, Harraton.
†*Jobling, M. ...	Whickham.
†Laws, C. ...	Birtley.
*Leonard, H. T. ...	Barnard Castle.
*Lowes, T. D. ...	Sedgefield.
*Mellon, M....	Durham.
*Nicholson, H. S. ...	Hartlepool, Greatham.
*Peirse, R. ...	Middleton.
*Robson, D. ...	Spennymoor.
*Salmon, W. ...	Stockton.
Tate, Miss M. E. ...	Houghton-le-Spring, Dawdon, Wingate.
*Tindale, C....	Brandon.
*Walton, J....	Stanhope, Wolsingham.
†*Watson, J. S. ...	Staindrop.

* Also Registrar of Births and Deaths.

† Also Relieving Officer.

** Also Superintendent Registrar.

AREA.

The revision of boundaries initiated by the Local Government Act, 1929, was completed by the County of Durham Review Order, 1937 (Ministry of Health Order No. 86335) which came into operation on the 1st April, 1937.

As a result of the review the administrative county suffered a net loss of 4,381 acres in interchanges of area with the associated county boroughs. In the urban portion of the administrative county, four urban districts (Annfield Plain, Benfieldside, Leadgate and Tanfield) have been abolished, and their areas merged with other urban districts with the exception of a small part of Tanfield transferred to a rural district, whilst Crook Urban District and the bulk of Willington Urban District have been amalgamated as Crook

and Willington Urban District. A new urban district, Boldon, was created out of part of South Shields Rural District, and Stanhope Urban District has been dissolved and transferred to Weardale Rural District. All except four of the remaining urban districts have undergone changes of boundary. Very large increases have been made in Bishop Auckland, Consett, Houghton-le-Spring and Stanley urban districts. In the rural portion of the county, four rural districts (Auckland, Hartlepool, Houghton-le-Spring and South Shields) have been abolished, and the remaining districts have been subjected to alteration in varying degree.

The area of the administrative county is 623,260 acres—144,035 in municipal boroughs and urban districts and 479,225 in rural districts—the density of population being 1.42 persons per acre.

The administrative county now consists of 4 municipal boroughs, 21 urban districts, and 10 rural districts, and the area of each of these districts is given in Tables A and B at the end of this report.

POPULATION.

The Registrar General's estimate of population for the administrative county for mid-year 1937 is 886,200 and shows a decrease of 11,087 compared with his estimate for mid-year 1936. The estimated population of each sanitary district in the administrative county is given in Tables A and B at the end of this report.

RATEABLE VALUE.

The rateable value of the administrative county on the 1st April, 1937, was £3,477,023, and a penny rate represented the sum of £12,930.

VITAL STATISTICS.

The following table gives the chief vital statistics of the administrative county during the year 1937 and of the urban and rural districts in comparison with those of England and Wales :—

Table 1.

Rate per 1,000 Population.	Total Urban Districts.	Rural Districts.	Administrative County.	England and Wales.
Birth-rate	17.0	17.2	17.1	14.9
Death-rate	12.5	12.1	12.4	12.4
Infant Mortality Rate per 1,000 live births	72	68	71	58
Zymotic Death-rate	0.48	0.44	0.47	†
Smallpox	Nil.	Nil.	Nil.	Nil.
Scarlet Fever	0.02	0.01	0.02	0.01
Diphtheria	0.27	0.25	0.26	0.07
" Fevers " (Enteric and Continued) ...	0.00	Nil.	0.00	0.00
Measles	0.03	0.05	0.03	0.02
Whooping Cough... ..	0.04	0.04	0.04	0.04
Diarrhoea and Enteritis (under 2 years)...	0.12	0.10	0.11	†
Diarrhoea and Enteritis (under 2 years) per 1,000 births	7.06	5.78	6.66	5.8
Influenza	0.37	0.35	0.36	0.45

† Not yet available.

BIRTHS AND BIRTH-RATES.

The number of live births registered in the administrative county during 1937 was 15,158, equal to a rate of 17.1 per 1,000 population compared with 17.3 during 1936. The rate for the past year is the lowest recorded for this administrative county, although it compares favourably with that for the country as a whole (14.9).

Of the total births registered 7,506 males and 7,115 females were legitimate and 276 males and 261 females illegitimate, the percentage of illegitimate births to total births being 3.5 compared with 3.3 in 1936.

The number of stillbirths registered was 686, equal to a rate of 45.3 per 1,000 (live and still) births, compared with 44.9 during 1936. Of the stillbirths registered 339 males and 316 females were legitimate and 23 males and 8 females illegitimate.

DEATHS AND DEATH-RATES.

The number of deaths registered in the administrative county during the year, after correction for inward and outward transfers, was 11,017, equal to a death-rate of 12.4 per 1,000 population compared with 11.9 in the previous year.

The Comparability Factor supplied by the Registrar General, by which the crude death rate of the administrative county should be multiplied in order to make it comparable, from a mortality point of view, with the crude death rate of the country as a whole or with the mortality of any other local area, the crude death rate of which should be similarly modified with its own factor for this purpose, for this administrative county is 1.15. The factors in respect of each sanitary district in the county are shown in Tables A and B at the end of this report. The adjusted death-rate for the administrative county is therefore 14.4 per 1,000 population.

The following table shows the method adopted for the termination of their lives by suicides and the number of deaths from these causes occurring in each calendar month during 1937. This shows a decrease compared with the previous year, when the number of suicides was 85 :—

Table 2.

Month.	Hang- ing.	Drown- ing.	Cutting Throat.	Gas.	Poison- ing.	Other Causes.	Totals.
January ...	—	1	—	2	—	2	5
February ...	2	2	—	3	—	—	7
March ...	2	—	4	1	—	1	8
April ...	2	2	—	1	1	1	7
May ...	—	3	2	2	—	—	7
June ...	1	1	1	1	2	—	6
July ...	3	1	3	2	2	—	11
August ..	—	—	1	2	2	—	5
September ...	—	—	2	2	—	1	5
October ...	—	—	2	—	1	1	4
November...	1	1	—	—	1	2	5
December...	—	1	—	1	2	—	4
Year ...	11	12	15	17	11	8	74

Table 8.
VIOLENT OR ACCIDENTAL DEATHS (excluding suicide), 1937.

District.	Accidental Injury.												Acci- dental Drown- ing and Found Drowned		Burns and Scalds.		Acci- dental Poison- ing.		Suffo- cation Over- laying.		Other Causes.		Totals.	
	In Coal- Mining.		In Quarry- ing.		In Ship- building.		By Mach- inery.		By Motor Vehicles		By Rail- ways.													
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
<i>Urban Districts.</i>																								
Durham ...	—	—	—	—	—	—	—	—	2	1	—	—	—	1	—	2	—	—	—	—	2	1	4	5
Hartlepool ...	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	1	—	3	—
Jarrow... ..	—	—	—	—	1	—	—	—	2	—	—	—	1	—	—	—	—	—	—	3	—	7	—	
Stockton ...	—	—	—	—	1	—	1	—	10	2	1	—	2	1	1	3	1	—	1	—	10	3	28	9
Barnard Castle ...	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	1	1
Billingham ...	—	—	—	—	—	—	1	—	2	—	—	—	—	—	—	—	—	—	—	1	—	4	—	
Bishop Auckland ...	2	—	1	—	—	—	—	—	1	—	—	—	1	—	2	—	—	—	—	2	1	9	1	
Blaydon ...	6	—	—	—	—	—	—	—	1	1	—	—	2	—	1	1	—	—	—	5	2	15	4	
Boldon ...	—	—	—	—	—	—	—	—	2	—	—	—	1	—	2	—	—	—	—	3	1	8	1	
Brandon & Byshottles	4	—	—	—	—	—	—	—	4	—	—	—	—	—	1	1	—	—	—	—	—	9	1	
Chester-le-Street ...	—	—	—	—	—	—	—	—	2	1	1	1	—	—	—	—	—	—	—	1	2	4	4	
Consett ...	1	—	—	—	—	—	2	—	2	—	1	—	—	—	—	1	—	1	—	2	—	8	2	
Crook & Willington ...	2	—	—	—	—	—	—	—	2	—	—	—	—	—	1	—	—	—	—	3	—	8	—	
Felling... ..	2	—	—	—	—	—	—	—	2	1	—	—	1	—	—	2	—	—	—	1	—	6	3	
Hebburn ...	1	—	—	—	—	—	1	—	—	—	—	—	2	—	—	2	—	—	—	2	3	6	5	
Hetton ...	5	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	1	1	1	8	2	
Houghton-le-Spring ...	2	—	1	—	—	—	—	—	1	—	—	—	1	—	1	1	—	—	—	2	—	8	1	
Ryton ...	3	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	1	1	6	1	
Seaham ...	2	—	—	—	1	—	—	—	3	—	—	—	—	1	—	—	—	—	—	3	2	9	3	
Shildon ...	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	2	—	
Spennymoor ...	5	—	—	—	—	—	—	—	—	1	—	—	1	—	—	2	—	—	—	1	1	7	4	
Stanley ...	6	—	—	—	—	—	2	—	2	1	—	1	2	—	—	1	—	—	—	1	3	13	6	
Tow Law ...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	
Washington ...	6	—	—	—	—	—	—	—	—	1	—	—	—	—	—	3	—	—	—	2	—	8	4	
Whickham ...	—	—	—	—	—	—	—	—	4	—	—	—	4	—	—	1	—	—	—	—	—	8	1	
<i>Rural Districts.</i>																								
Barnard Castle ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—
Chester-le-Street ...	8	—	—	—	—	—	—	—	3	1	—	—	1	—	1	1	—	—	—	2	—	15	2	
Darlington ...	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	1	—	3	—	
Durham ...	3	—	1	—	—	—	—	—	2	—	—	—	1	—	—	—	—	—	—	4	2	11	3	
Easington ...	23	—	—	—	—	—	2	1	8	5	1	—	2	1	3	1	1	—	1	1	4	1	45	10
Lanchester ...	1	—	—	—	—	—	1	—	3	—	—	—	1	—	—	—	—	—	—	1	1	7	1	
Sedgefield ...	10	—	1	—	—	—	—	—	6	—	1	—	—	—	1	1	—	—	—	2	2	21	3	
Stockton ...	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	3	—	5	—	
Sunderland ...	6	—	—	—	—	—	—	—	2	1	—	—	1	—	1	—	—	—	—	2	—	12	1	
Weardale ...	—	—	1	—	—	—	1	—	2	1	—	—	—	—	—	—	—	—	—	—	—	4	1	
Administrative County	99	—	5	—	3	—	11	1	75	17	7	2	27	5	15	24	3	1	2	3	66	27	313	80

Table 3 gives particulars of violent or accidental deaths, excluding suicide, which occurred during the year. The total deaths registered from these causes was 393 compared with 400 in the previous year. It will be seen from the table that the largest number of deaths occurred from accidents connected with motor vehicles (92) and coal mining (99), the figures for the previous year being 109 and 102 respectively.

MATERNAL MORTALITY.

The following table gives the maternal mortality rate in the administrative county during the past ten years, from which it will be observed that there was a very satisfactory decrease during the past year :—

Table 4.

Year.	Births Registered.	Deaths from Puerperal Sepsis.	Rate per 1,000 births Registered.	Deaths from other accidents and diseases of pregnancy and parturition.	Rate per 1,000 births Registered.	Total Maternal Mortality Rate per 1,000 births registered.
1928	20,040	32	1.60	78	3.89	5.49
1929	18,981	48	2.53	69	3.63	6.16
1930	19,630	41	2.09	73	3.72	5.81
1931	18,262	29	1.59	89	4.87	6.46
1932	17,912	30	1.68	69	3.85	5.53
1933	*17,136	34	1.98	50	2.92	4.90
1934	*17,041	35	2.05	63	3.70	5.75
1935	*16,656	40	2.40	69	4.14	6.54
1936	*16,248	46	2.83	59	3.63	6.46
1937	*15,844	18	1.14	57	3.60	4.73

* Includes Stillbirths.

INFANT MORTALITY.

The number of deaths of infants under one year of age registered during the year was 1,074, and shows a decrease of 24 compared with the previous year. The infant mortality rate per 1,000 live births was equal to 71, which is the same as that for the previous year.

The death-rate of legitimate infants under one year of age per 1,000 legitimate live births was 70, while the death-rate of illegitimate infants per 1,000 illegitimate live births was 89.

Of the 1,074 deaths of children under one year of age 261, or 24.3 per cent., were registered as being due to prematurity occurring during the first four weeks of life.

The following table shows the number of births registered, the number of deaths of children under one year of age, and the infant mortality rate for the last ten years.

Table 5.

Year.	Births.	Deaths under 1 year.	Rate per 1,000 births.
1928	20,040	1,610	80
1929	18,981	1,792	94
1930	19,630	1,441	73
1931	18,262	1,562	85
1932	17,912	1,463	82
1933	16,417	1,313	80
1934	16,298	1,270	78
1935	15,884	1,110	70
1936	15,518	1,098	71
1937	15,158	1,074	71

ZYMOTIC DISEASES.

The number of deaths registered from the seven principal zymotic diseases was 414, which is a decrease of 78 compared with the previous year. The number of deaths registered from each disease included under this heading was :—smallpox—nil, scarlet fever—19, diphtheria—231, enteric fever—2, measles—29, whooping cough—32, and diarrhoea and enteritis under two years of age—101.

The zymotic diseases death-rate was equal to 0.47 per 1,000 population compared with 0.55 in the previous year, and 0.51 in 1935.

The death-rate from each of the above-mentioned diseases is given in Table 1, while the total zymotic diseases death-rate in respect of each sanitary district in the administrative county is given in Tables A and B at the end of this report.

NURSING IN THE HOME.

General nursing in the home continues to be carried out in this administrative county through the various district nursing associations, 117 of which are affiliated to the County Nursing Association, an increase of 1 over the previous year. There are 161 nurses employed by these associations and they undertake medical and surgical nursing. In the case of 52 district nursing associations, by an agreement between the County Council and the County Nursing Association under the Midwives Act, 1936, the nurses also act as midwives and maternity nurses (see page 20).

Under Section 101 of the Local Government Act, 1929, the County Council adopted a scheme for the payment by the Council of annual contributions in each of the five financial years 1937-1941 towards the expenses of voluntary associations providing maternity and child welfare services in or for the benefit of the county, and under this scheme the County Nursing Association received grants of £5,530 16s. 6d. for the financial year 1936-37 and £6,834 2s. 1d. for the year ended 31st March, 1938. Included in this latter amount is the sum of £2,651 10s. 0d. which represents grants received under the Council's scheme as set up by the Midwives Act, 1936.

The above amounts include grants made through the County Nursing Association of £10 up to 10,000 population and £5 per additional 5,000 population to affiliated district nursing associations undertaking the nursing of cases of measles, whooping cough, epidemic diarrhoea, ophthalmia neonatorum, tuberculosis and poliomyelitis in young children.

MIDWIVES ACT, 1936.

For the purpose of the provision of an adequate service of certified midwives who would be available within the area for attendance on women within their own homes as midwives or maternity nurses, as required by the above Act, the area administered by the County Council as the Local Supervising Authority, i.e., the Administrative County less the Municipal Borough of Stockton-on-Tees, has been divided into the following two groups of areas. The County Council scheme came into operation on the 1st October.

GROUP I.

Areas served by District Nurse-Midwives employed
by District Nursing Associations.

Name of District Association.	Area served.	No. of Nurse-Midwives employed.
Barnard Castle and Startforth.	Parishes of Barnard Castle (Urban), Streatham and Stainton, Westwick and Marwood	2
Burnhope Colliery ...	Burnhope, Peartree, Holmside and Jaw Blades	1
Burnopfield ...	Burnopfield, including Hobson, Lintz, Friarside, Mountsett and Leazes ...	2
Butterknowle ...	Parishes of Lynesack and Softley, and Evenwood and Barony	1
Castle Eden ...	Parishes of Castle Eden, part of Hutton Henry and part of Monk Hesledon ...	1
Castletown ...	North Hylton and Castletown	1
Cockfield ...	Parish of Cockfield	1
Craghead ...	Craghead, Holmside, Bloemfontein, Blackhouse, Council Houses, Edmondsley ...	2
East Hetton ...	Old Cassop, Quarrington Hill and East Hetton	2
Egglestone and Romaldkirk ...	Parish of Egglestone	1
Elwick and Hart ...	Hart, Elwick, Elwick Hall, Dalton Piercey, Embleton, Nesbit, Thorpe Bulmer, Sheraton-with-Hulam and Crimdon (Hart Station)	1
Evenwood and Ramshaw ...	Evenwood and Ramshaw	1
Fishburn ...	Parish of Fishburn	1
Frosterley ...	Frosterley, Bollihope, Hill End, Bishopley, White Kirtley and Stanhope ...	1

Name of District Association.	Area served.	No. of Nurse-Midwives employed.
Gainford	Parishes of Gainford, Headlam, Langton, Ingleton, Morton Tinmouth, Killerby, Bolam, Summerhouse, Denton, Walworth, Piercebridge, Winston, Wackerfield, High Coniscliffe and Low Coniscliffe	1
Great Aycliffe	Aycliffe and Heighington	1
Greatham	Parishes of Greatham, Newton Bewley, Claxton and Wolviston	1
Haswell	Haswell and Haswell Old Colliery	1
Howden-le-Wear	Howden-le-Wear, North Beechburn, Fir Tree, Greenhead, High Grange, North Bitchburn and Newton Cap	1
Hunwick	Hunwick, Rumby Hill, Quarryburn and Pixley Hill	1
Hurworth and Neasham	Parishes of Hurworth, Low Dinsdale and Neasham	1
Kirk Merrington	Kirk Merrington and Middlestone Moor	1
Lamesley	Lamesley and Kibblesworth	1
Lanchester	Lanchester, Satley, Malton Colliery and part of Greencroft	1
Ludworth, Shadforth and Haswell Terrace	Shadforth, Ludworth and Haswell Plough	1
Lumley and Fence-houses.	Lumley, Great and Little Lumley, Cocken, Burnmoor, part of Biddick and Morton Grange, Lambton and Dubmire... ..	3
Metal Bridge and Tursdale.	Hett, Metal Bridge and Tursdale	1
Middleton-in-Teesdale.	Parishes of Middleton-in-Teesdale, Harwood and Newbiggin	1
Middleton-St.-George	Parishes of Middleton-St.-George, Sadberge, Great Burdon and Morton Palms... ..	1
Murton	East Murton, Cold Hesledon and Dalton-le-Dale	3
New Brancepeth	Brandon and Byshottles (North Ward), New Brancepeth	1
Ouston, Urpeth and Pelton	Ouston, Pelton, Urpeth	2
Page Bank, Brancepeth and Whitworth.	Page Bank, Brancepeth Village and part of the Parish of Whitworth	1
Pelton Fell	Pelton Fell, Newfield, Pelton Lane Ends and Grange Villa	2
Preston and Egglescliffe.	Parishes of Preston, Egglescliffe and Aislaby	1
Raintons and Leamside	East and West Rainton, Leamside	2
Rookhope	Rookhope and Eastgate	1
Sacriston	Sacriston, Edmondsley and part of Witton Gilbert	2

Name of District Association.	Area served.	No. of Nurse-Midwives employed.
Sedgefield	Parishes of Sedgefield, Mordon, Foxton and Shotton, Butterwick and Bradbury	1
Shotley (Northumberland)	Muggleswick and Edmundbyers	1
Silksworth	Silksworth, Tunstall, Burdon Village, and part of Houghton-le-Spring	3
South Hylton	South Hylton	1
Staindrop	Parishes of Staindrop, Cleatlam, Raby and Keverstone and Langleydale and Shotton	1
Stanley	Stanley, including New South Moor, part of South Moor and Oxhill, south side of Stanley and Co-operative Villas, Stanley North and Shield Row, part of Beamish Parish and Holmside	4
Stillington	Parishes of Stillington, Whitton, Bishop-ton, Carlton, Redmarshall and Thorpe Thewles	1
Usworth	Usworth and Washington	2
Waldridge Fell and Chester Moor	Waldridge Colliery and Chester Moor	1
Weardale	Westgate-in-Weardale, St. John's Chapel, and Wearhead	1
Whorlton	Parish of Whorlton	1
Witton-le-Wear	Witton-le-Wear, Hamsterley, Wear Valley Junction, Harperley, Etherley, and Toft Hill	1
Witton Park	Witton Park, Escombe, Witton-le-Wear (part), Pollards Land	2
Wolsingham	Wolsingham	1

GROUP II.

Areas served by Wholetime Midwives employed by the
County Council.

Sanitary District.	No. of Midwives employed.	Sanitary District.	No. of Midwives employed.
<i>Urban Districts.</i>		<i>Rural Districts.</i>	
Durham	4	Chester-le-Street ...	4
Hartlepool	4	*Durham	4
Jarrow	7	*Easington	17
Billingham	5	Lanchester	2
Bishop Auckland ...	6	Sedgefield	7
*Blaydon	6	Sunderland	3
*Boldon	3		
Brandon & Byshottles ...	4	Relief Work	2
Chester-le-Street ...	3		
Consett	10		
Crook and Willington ...	5		
Felling	4		
Hebburn	5		
Hetton	5		
Houghton-le-Spring ...	5		
Ryton	2		
Seaham	8		
Sildon	3		
Spennymoor	5		
Stanley	4		
Tow Law	1		
Washington	3		
Whickham	5		

* One vacancy exists in each of these areas.

In actual practice the midwives are not strictly confined to these sanitary districts ; they also practise in the surrounding areas, provided these areas are not already served by district nurse-midwives included in Group I.

The work of the district nurse-midwives, when acting as midwives or as maternity nurses, is inspected and supervised by an officer of the County Nursing Association ; and the work of all other midwives practising in the county area is supervised by the County Midwives Inspector and the Assistant County Midwives Inspector. During the year the inspectors made 1,780 visits to midwives and 913 visits to patients.

At the end of the year there were 46 independent midwives in practice, of whom 6 were bona fide. In addition there were 20 practising midwives in hospitals in the county, and 34 practising midwives were employed by district nursing associations not included in the County Council's Scheme.

Three midwives voluntarily surrendered their certificates during the year.

Between the 1st October and the 31st December, 1937, 2,853 applications were received for the domiciliary services of the midwives appointed under the Act; 2,268 as midwife and 585 as maternity nurse.

The midwives requisitioned medical help on 4,937 occasions, an increase of 169 compared with 1936, the cost of these services to the County Council during the financial year ended 31st March, 1938, being £6,569, compared with £6,442 during the previous financial year.

The following statement gives particulars as to the reasons for sending for medical help by the midwives :—

1. Ante-natal examination—general	...	...	...	112
2. Ante-natal examination—possible venereal disease	...	...	...	32
3. Ante-natal examination—albuminuria	...	...	...	266
4. Eclampsia, fits, convulsions—maternal	...	...	...	58
5. Miscarriage	...	...	...	113
6. Threatened miscarriage	...	...	...	103
7. Ante-partum hæmorrhage	...	...	...	226
8. Post-partum hæmorrhage	...	...	...	107
9. Placenta prævia	...	...	...	9
10. Retained or adherent placenta or membranes	...	...	...	112
11. Contracted pelvis, disproportion between child and pelvic outlet	...	...	...	20
12. Malpresentation	...	...	...	227
13. Prolonged or delayed labour, uterine inertia	...	...	...	1273
14. Mammary inflammation, varicose veins, cardiac weakness, weakness during puerperium, etc.	...	...	...	106

15. Stillbirth	...	...	...	...	...	...	9
16. Ruptured perineum	...	...	...	...	...	...	1019
17. Premature birth	...	...	...	...	...	...	89
18. Rise in temperature...	...	...	...	...	...	...	166
19. Mental condition during pregnancy and parturition	...	...	...	...	...	...	19
20. Conditions <i>not</i> arising from pregnancy	...	...	...	...	...	...	14
21. Feebleness of child. Illness of child	...	...	...	...	...	...	178
22. Phimosis, tongue tie, suspicious eruptions on skin of baby, and umbilical conditions...	...	...	...	...	...	...	46
23. Marked congenital malformation	...	...	...	...	...	...	23
24. Inflammation of child's eyes	...	...	...	...	...	...	181
25. Condition of mother ill-defined	...	...	...	...	...	...	244
26. Condition of baby ill-defined	...	...	...	...	...	...	142
27. Midwife in attendance at another case	...	...	...	...	...	...	25
28. Precipitate labour	...	...	...	...	...	...	6
29. Death of baby	...	...	...	...	...	...	7
30. Other Conditions	...	...	...	...	...	...	5

In addition to the notifications of sending for medical help, the following notifications were received from midwives :—

Stillbirths	...	...	...	...	...	266
Death of Mother	...	...	...	...	...	30
Death of Child	...	...	...	...	...	230
Artificial Feeding	...	...	...	...	...	171
Laying out the dead	...	...	...	...	...	19
Liability to be a source of infection	...	...	...	...	...	230

With regard to the 166 cases in which medical help was requisitioned on account of rise of temperature, 4 were subsequently notified as puerperal fever and 53 as puerperal pyrexia. 18 of these cases received in-patient hospital treatment under the County Scheme, while the services of consultants were utilised in 10 cases and the emergency nurse in 6 cases.

Of the 181 cases of inflammation of the eyes, 58 were notified as ophthalmia neonatorum and 14 received hospital treatment.

A post-certificate course for midwives was held in March. Five lectures were given by specialists and the County Medical Officer gave a talk on the Midwives Act, 1936.

It was found advisable to take swabs from seventeen midwives during the year. A total of thirty-five was taken, four for diphtheria, which were negative, and thirty-one for haemolytic streptococci, fourteen being positive and seventeen negative. Six of the cultures were sent to Queen Charlotte's Maternity Hospital, London, for grouping.

The following table gives the number of patients admitted into maternity homes and hospitals from the maternity and child welfare portion of the administrative county area during the past five years :-

Table 6.

Maternity Home or Hospital.	Number of Cases Admitted.				
	1933.	1934.	1935.	1936.	1937.
County Maternity Home, Bishop Auckland ...	276	276	280	287	319
Richard Murray Hospital, Blackhill ...	312	254	229	155	165
Princess Mary Maternity Hospital, Newcastle	500	590	657	721	722
Sunderland Borough Maternity Home, Sunder- land	71	81	102	131	133
Grantully Maternity Home, West Hartlepool	19	31	30	25	37
Robson Maternity Home, Stockton ...	4	4	4	5	5
Totals	1182	1236	1302	1324	1381

PUBLIC ASSISTANCE MEDICAL SERVICES.

Notwithstanding the large volume of work dealt with by this section of the department in previous years there has again been an increase during the year under review. The following table indicates this increase so far as special cases are concerned :—

	1937	1936
Dental treatment provided in	1588	712 cases.
Surgical appliances supplied to	301	267 „
Ophthalmic treatment provided in	496	365 „
Grants of clothing to enable tuberculous patients to proceed to sanatoria made in	125	161 „
Insulin treatment provided in	67	59 „
	<u>2577</u>	<u>1564</u>

Close co-operation with other departments of the County Council service has been maintained and where facilities for treatment already exist in another department cases originating within the public assistance service have been referred for attention.

OUT-DOOR MEDICAL RELIEF.

This service is still provided by medical officers appointed to specified medical relief districts. The Public Assistance Committee has given consideration to the question of the inauguration of an open-choice method of providing medical treatment for public assistance cases, but for the time being it is felt expedient to continue the service as hitherto.

There have been eight changes in personnel during the year and there are now 71 officers in the out-door medical relief service.

PUBLIC ASSISTANCE INSTITUTIONS.

There has again been an increase in the admissions to public assistance hospitals and on many occasions during the year there has been considerable difficulty in providing the requisite accommodation. It has frequently been necessary to transfer patients from one hospital to another, and to arrange for new admissions to enter a hospital other than that in the area in which they reside. Plans are under consideration to adapt a further number of suitable house wards for hospital purposes.

In common with the rest of the country we have experienced increasing difficulty in securing adequate nursing staff and a Joint Sub-Committee of the Health and Public Assistance Committees is reviewing the whole of the circumstances and conditions of service of the county nursing staffs.

While there have been numerous small improvements to institution buildings and equipment there has not been any major alteration calling for special mention, and despite the difficulties discussed above, the work as a whole has proceeded in a satisfactory manner. The adolescent colonies at Barnard Castle and Sedgely

for males and females respectively, and the accommodation for patients certified under Section 24 of the Lunacy Act, 1890, provided for males at Durham and for females at Lanchester, continue to be a great help to the service.

The surgical unit at Easington must also be mentioned as providing one of the most useful adjuncts to our hospital acheme. During the year 229 operations were performed by our Surgeon Specialist, Mr. W. A. Hewitson, M.B., M.S., F.R.C.S. (Eng.). From time to time there has been a small waiting list for the surgical wards but it has always been possible to arrange immediate admission for cases of urgency and in no case has there been any undue delay in providing treatment.

The following table shows the number of admissions to public assistance hospitals during the years 1931 to 1937 :—

Table 7.

Total No. of Hospital Beds. 31-12-37.	Admissions during year :						
	1931	1932	1933	1934	1935	1936	1937
895	1764	1955	1985	2219	2334	2447	2673

Institution Sick Wards.

Appended are the names of the nine public assistance institutions, together with the sick ward bed accommodation and staff on the 31st December, 1937 :—

Table 8.

Name of Institution.	No. of Beds in Sick Wards.			Staff.							
				Medical Officer Part time—Non-resident.	Matron.	Trained Nurses.	Prob. Nurses.	Assistant Nurses.	Male Nurses.	Mental Attendants.	
	M.	F.	C.							M.	F.
Barnard Castle ...	20	14	***	1	1	1	—	3	—	—	—
Bishop Auckland...	53	49	20	1	1	8	10	3	3	—	—
Chester-le-Street ...	42	34	8	1	1	3	—	6	1	—	—
*Durham ...	85	46	3	1	1	3	—	6	2	6	—
Easington...	122	57	11	1	1	7	3	11	6	—	—
Houghton-le-Spring	20	26	***	1	1	2	1	3	—	—	—
**Lancaster ...	38	90	17	1	1	4	—	7	2	—	6
†Sedgefield ...	—	4	—	1	1	—	—	—	—	—	—
Stockton ...	86	47	3	††1	1	7	6	4	—	—	—
Totals ...	466	367	62	9	9	35	20	43	14	6	6

* Includes 48 beds for male mental patients.

** Includes 44 beds for female mental patients.

*** Beds in adult wards used for children when required.

† This Institution became Colony for aged (female) infirm and female adolescents 2/9/35.

†† Full-time appointment as District Medical Officer, Public Vaccinator and Medical Officer, P.A. Institution and Cottage Homes.

Admissions to and discharges from public assistance institution sick wards for the period 1st January to 31st December, 1937 :—

Table 9.

Name of Institution.	In residence 1-1-37.	Admissions.	Deaths.	Discharges.	In residence, 31-12-37.
Barnard Castle ...	24	70	16	53	25
Bishop Auckland ...	107	430	117	308	112
Chester-le-Street ...	48	332	101	212	67
Durham ...	123	290	76	216	121
Easington ...	146	706	138	565	149
Houghton-le-Spring ...	40	79	31	56	32
Lancaster ...	114	448	90	359	113
*Sedgefield ...	—	6	1	5	—
Stockton ...	114	312	105	207	114
Totals ...	716	2673	675	1981	733

* This institution became colony for aged (female) infirm and female adolescents 2/9/35.

Accommodation for maternity cases is provided at four public assistance institutions, and the following table shows the number of beds available and the cases admitted during 1937 :—

Table 10.

Name of Institution.	No. of Beds in Institution. (Exclusive of Isolation and labour beds).	No. of Cases. admitted during the year.	Average duration of stay.	No. of Cases delivered by		No. of cases in which medical assistance was sought by Mid-wife.	No. of Maternal Deaths.
				(a) Doc-tors.	(b) Mid-wives.		
Bishop Auckland ...	3	29	20 days.	3	26	15	—
Chester-le-Street ...	2	9	28 days.	—	9	2	—
Durham ...	3	16	28 days.	3	13	5	—
Easington ...	3	24	21 days.	5	19	5	—
*Lanchester ...	—	1	18 days.	—	—	—	—
†Stockton ...	—	3	14 days.	3	—	—	—
Totals ...	11	82	—	14	67	27	—

* No maternity beds—1 confinement in ambulance before admission to hospital.

† No maternity beds—3 emergency confinements in female hospital.

VACCINATION.

The work in the whole of the administrative county is now carried out by 70 public vaccinators and 24 vaccination officers.

Appended is a summarised return from the vaccination officers in the administrative county :—

1st January, 1936, to 31st December, 1936 :—

1. Number of births returned in the “ Birth List Sheets ”
as registered 15,040
2. Number of these births duly entered by 31st January, 1938, in Columns 1, 2, 4 and 5 of the “ Vaccination Register ” (Birth List Sheets), viz. :—

(a) Successfully vaccinated	...	...	...	4,560
(b) Insusceptible of vaccination	...	...	...	27
(c) Had small-pox	...	...	...	—
(d) Number in respect of whom statutory declarations of conscientious objection have been received...	...	...	...	8,465
(e) Died unvaccinated	...	...	...	660

3. Number of these births which on 31st January, 1938, remained unentered in the " Vaccination Register " on account of

(a) Postponement by medical certificate	...	398
(b) Removal to districts the vaccination officers of which have been duly apprised	...	241
(c) Removal to places unknown, or which cannot be reached ; and cases not having been found	... ..	378

4. Number of these births remaining on 31st January, 1938, neither duly entered in the " Vaccination Register " nor temporarily accounted for in the " Report Book "

311*

—15,040

5. Number of children successfully vaccinated after the declaration of conscientious objection had been made... ..

7

1st January, 1937, to 31st December, 1937 :—

6. Total number of certificates of successful primary vaccination of children under 14 received during the calendar year 1937 4,698
7. Number of statutory declarations of conscientious objection actually received by the vaccination officers irrespective of the dates of births of the children to which they relate, during the calendar year, 1937... .. 8,042

8. Total number of certificates for the year 1937				
sent to other vaccination officers	...	...	...	238

* These cases are as follows :—

Spennymoor District	...	...	...	...	5
Birtley District	...	...	...	...	10
Chester-le-Street and Harraton District	...	...	...	...	35
Hurworth and Aycliffe District	...	...	...	...	12
Durham District	...	...	...	...	1
Brandon District...	...	...	...	...	23
Dawdon, Wingate, Houghton and Hetton District	...	...	...	...	72
Whickham District	...	...	...	...	6
Consett, Lanchester and Annfield Plain District	...	...	...	...	90
Cornforth and Sedgefield District	...	...	...	...	56
Stockton District...	...	...	...	...	1
					<hr/>
					311
					<hr/>

Summary of Return—Form M. 379a, prepared for the Registrar-General showing the numbers of persons vaccinated and re-vaccinated at the cost of the rates by the medical officers of the public assistance institutions and the public vaccinators during the year ended 30th September, 1937 :—

Table 11.

Numbers of successful Primary Vaccinations of Persons :—			Number of successful re-vaccinations, <i>i.e.</i> , successful vaccinations of persons who had been successfully vaccinated at some previous time.
Under one year of age.	One year and upwards.	Total.	
3937	246	4183	98

MENTAL DEFICIENCY ACTS, 1913-1927.

During the year under review 158 new cases of mental deficiency were reported as follows :—

			Males.	Females.	Total.
Children	...	...	38	32	70
Adults	...	...	47	41	88
			—	—	—
			85	73	158
			==	==	==

The total number of mental defectives on the register on 31st December, 1937, was 2,347, as follows :—

			Males.	Females.	Total.
Children	...	...	202	249	451
Adults	...	...	865	1031	1896
			—	—	—
			1067	1280	2347
			==	==	==

The ascertainment figure for the county is 2.59 per 1,000 population.

The distribution of these cases is as follows :—

Table 12.

	CHILDREN.		ADULTS.		TOTAL.
	Males.	Females.	Males.	Females.	
In institutions or colonies for mental defectives ...	28	22	135	208	393
On licence from institutions	1	2	15	14	32
In special schools ...	3	16	—	—	19
In state institutions ...	—	—	15	11	26
In elected homes ...	—	—	9	1	10
In Public Assistance Institutions ...	5	11	36	57	109
In asylums ...	6	3	34	38	81
Under guardianship ...	2	2	15	17	36
Under domiciliary supervision	157	193	606	685	1,641
	202	249	865	1,031	2,347

The mental defectives in certified institutions and colonies or on licence who are under "order" are classified and diagnosed as follows :—

Table 13.

DIAGNOSIS.	CHILDREN.		ADULTS.		TOTAL.
	Males.	Females.	Males.	Females.	
Idiots	—	2	3	1	6
Imbeciles	11	15	43	66	135
Feeble-minded	12	5	98	159	274
Moral imbeciles	—	—	2	8	10
	23	22	146	234	425

Institutional accommodation was obtained for 18 cases during the year. It is still extremely difficult to secure suitable accommodation. The waiting list of defectives in need of institutional accommodation remains practically unaffected and is shown thus :—

	Males.	Females.	Total.
Children	53	52	105
Adults	170	150	320
	<u>223</u>	<u>202</u>	<u>425</u>

Leave of absence from institutions to the care of their parents or to guardians for varying periods was granted to 9 defectives during the year.

The number of defectives who are under guardianship is :—

	Males.	Females.	Total.
Children	2	2	4
Adults	15	17	32
	<u>17</u>	<u>19</u>	<u>36</u>

Domiciliary supervision was provided for 1,688 defectives and 8,602 visits were made to their homes during the year by the 101 county health visitors, all of whom have received training in this special type of work. Difficulty has been experienced in dealing with a number of defectives at present under domiciliary supervision who could be better cared for in an institution.

The periodicity of visiting was as follows :—

Yearly ...	...	...	...	...	...	34
Half-yearly ...	...	...	...	...	...	57
Four monthly ...	...	...	...	...	...	1
Quarterly ...	...	...	...	...	...	1,476
Two monthly ...	...	...	...	...	...	1
Monthly ...	...	...	...	...	...	116
Fortnightly ...	...	...	...	...	...	3
						<hr/>
						1,688
						<hr/>

During the year 11 mental defectives were placed under the care of suitable guardians for this authority by the North Eastern Council for Mental Welfare, and on the 31st December, 1937, 2 male and 11 female defectives were being supervised by an officer of this society.

The Medical Officer made 183 examinations during the year and 162 persons were found to be certifiable under the Acts. In 22 cases petitions were presented and orders made, i.e., 18 cases for institutional training and care, and 4 for guardianship.

The clerk and domiciliary supervision officer visited 309 male adult mental defectives in their homes during the year. This officer who has been carrying out the work since July, 1936, was appointed a 2nd grade clerk in the Medical Officer's department as from the 1st July, 1937.

SCHOOL AYCLIFFE COLONY FOR MENTAL DEFECTIVES.

The construction of the buildings for the 360 bed section of the institution is proceeding, and six homes (3 for male defectives, 2 for female defectives and a temporary administrative block), workshops, school, medical officer's residence, clerk and steward's house, lodge and 4 cottages are nearing completion.

The Board of Control has informed the County Council that the Minister of Health has approved in principle the proposal of the County Council to proceed with the second stage of the scheme to extend the accommodation to 1,040 beds.

Plans of the boiler house, laundry and central kitchen, are at the present time awaiting the approval of the Board of Control.

The Architect has been instructed to prepare plans for the erection of the remainder of the colony.

BACTERIOLOGICAL LABORATORY FACILITIES.

Bacteriological examinations continue to be made at the Bacteriological Department of the King's College, Newcastle-on-Tyne, and under the County Scheme medical practitioners are enabled to send certain specimens free of cost to the laboratory in order to assist them in the diagnosis of cases of diphtheria, enteric fever, phthisis and venereal diseases occurring in their practice, while in addition, in special cases, if the prior approval of the County Medical Officer is obtained, similar facilities are given to medical practitioners in respect of other diseases, such as cerebro spinal fever, anthrax, septic diseases, etc.

The work done and the areas from which the specimens were taken are indicated in the following tables :—

Table 14.

Total number of specimens sent by medical practitioners during 1937.

District.	Registrar General's Estimated Resident Population 1937.	No. of specimens sent by medical practitioners.	Rate per 1,000 population.
URBAN :—			
Durham Borough	19,310	318	16.47
Hartlepool Borough	18,180	83	4.57
Jarrow Borough	31,210	73	2.34
Stockton Borough	67,170	245	3.64
Barnard Castle	3,934	26	6.61
Billingham	20,680	56	2.70
Bishop Auckland... ..	35,710	244	6.83
Blaydon	31,150	390	12.51
Boldon	16,740	34	2.03
Brandon and Byshottles	20,440	211	10.33
Chester-le-Street	17,000	160	9.44
Consett	37,280	256	6.85
Crook & Willington	28,640	121	4.24
Felling	25,830	1081	41.85
Hebburn	22,700	127	5.59
Hetton	19,670	64	3.25
Houghton-le-Spring	29,490	164	5.56
Ryton	13,470	94	6.98
Seaham	29,380	166	5.65
Shildon	13,946	46	3.29
Spennymoor	19,560	128	6.55
Stanley	50,830	381	7.49
Tow Law	3,280	59	17.98
Washington	17,150	15	0.87
Whickham	22,190	408	18.39
RURAL :—			
Barnard Castle	17,460	59	3.37
Chester-le-Street	43,230	153	3.54
Darlington	8,955	51	5.69
Durham	31,520	1246	39.53
Easington	79,870	207	2.59
Lanchester	15,640	131	8.38
Sedgefield	33,700	611	18.13
Stockton	7,238	26	3.59
Sunderland	24,440	187	7.65
Weardale	9,207	48	5.21
Administrative County ...	886,200	7,669	8.65

Table 15.

Particulars of specimens sent by medical practitioners for examination during the year 1937 :—

District.	ENTERIC FEVER.									Diph- theria.			Tuber- culosis		Miscel- lanecus.†			Totals.		
	Typhoid.			Paratyphoid.																
				A.			B.													
	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.	Positive.	Negative.	Inconclusive.		
URBAN.																				
Durham Borough ...	—	3	—	—	3	—	—	3	—	83	175	3	4	38	2	4	—	89	226	3
Hartlepool Borough	—	—	—	—	—	—	—	—	—	27	49	3	1	2	—	1	—	28	52	3
Jarrow Borough.....	—	—	—	—	—	—	—	—	—	8	58	—	—	7	—	—	—	8	65	—
Stockton Borough..	—	1	—	—	1	—	—	1	—	17	52	1	27	144	—	1	—	44	200	1
Barnard Castle.....	—	1	—	—	1	—	—	1	—	5	6	—	2	9	—	1	—	7	19	—
Billingham	—	—	—	—	—	—	—	—	—	10	29	—	3	12	—	2	—	13	43	—
Bishop Auckland...	—	1	—	—	1	—	—	1	—	27	145	4	7	52	1	5	—	35	205	4
Blaydon	—	2	—	—	2	—	—	2	—	103	220	4	12	43	—	2	—	115	271	4
Boldon	—	—	—	—	—	—	—	—	—	6	10	—	3	7	—	8	—	9	25	—
Brandon and	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Byshottles	—	2	—	—	2	—	—	2	—	52	117	9	3	20	1	3	—	56	146	9
Chester-le-Street ...	—	1	—	—	1	—	—	1	—	24	47	—	10	63	8	5	—	42	118	—
Consett	1	1	—	1	1	—	1	1	—	44	168	2	9	19	3	5	—	59	195	2
Crook & Willington	—	—	—	—	—	—	—	—	—	11	72	2	11	23	1	1	—	23	96	2
Felling.....	—	2	—	—	2	—	1	1	—	328	681	19	6	37	2	2	—	337	725	19
Hebburn	—	1	—	—	1	—	—	1	—	47	38	1	8	27	1	2	—	56	70	1
Hetton	1	3	—	1	3	—	—	4	—	11	24	—	3	14	—	—	—	16	48	—
Houghton-le-Spring	—	—	—	—	—	—	—	—	—	41	100	1	4	18	—	—	—	45	118	1
Ryton	—	1	—	—	1	—	—	1	—	36	35	3	—	15	2	—	—	38	53	3
Seaham	—	—	—	—	—	—	—	—	—	45	86	1	3	28	1	2	—	49	116	1
Shildon	—	—	—	—	—	—	—	—	—	5	21	—	3	15	1	1	—	9	37	—
Spennymoor	—	4	—	—	4	—	1	3	—	19	55	4	5	31	—	2	—	25	99	4
Stanley	—	6	—	1	5	—	2	4	—	45	270	3	4	29	10	2	—	62	316	3
Tow Law.....	—	—	—	—	—	—	—	—	—	18	25	4	2	7	2	1	—	22	33	4
Washington	—	—	—	—	—	—	—	—	—	3	7	—	1	1	1	2	—	5	10	—
Whickham	—	2	—	—	2	—	—	2	—	73	244	5	13	67	—	—	—	86	317	5
RURAL.																				
Barnard Castle.....	1	1	—	—	2	—	1	1	—	7	26	—	4	14	—	2	—	13	46	—
Chester-le-Street ...	—	5	—	—	5	—	2	3	—	19	65	2	8	28	2	14	—	31	120	2
Darlington	—	—	—	—	—	—	—	—	—	16	26	3	—	5	1	—	—	17	31	3
Durham	—	3	—	—	3	—	—	3	—	105	1061	40	4	26	—	1	—	109	1097	40
Easington	—	2	—	—	2	—	—	2	—	20	128	4	10	38	—	1	—	30	173	4
Lanchester	—	—	—	—	—	—	—	—	—	36	76	10	2	7	—	—	—	38	83	10
Sedgefield	—	1	—	—	1	—	—	1	—	74	463	21	9	35	4	2	—	87	503	21
Stockton	—	—	—	—	—	—	—	—	—	1	14	—	2	5	4	—	—	7	19	—
Sunderland	—	—	—	—	—	—	—	—	—	53	92	2	10	30	—	—	—	63	122	2
Weardale	—	1	—	—	1	—	—	1	—	5	22	3	2	7	2	4	—	9	36	3
Administrative County	3	44	—	3	44	—	8	39	—	1424	4707	154	195	923	49	76	—	1682	5833	154

† This section is composed of examinations receiving the special approval of the County Medical Officer for Cerebro-spinal Fluid, Hæmolytic Streptococci, Fæces, Virulence, Tubercle urine, Brucella Abortus and gaertner, and Diphtheria culture.

Table 16.

Number of specimens sent from the Tuberculosis Dispensaries and Sanatoria during 1937 :—

	Tuberculosis.		Totals.
	Positive.	Negative.	
DISPENSARIES :—			
Bishop Auckland...	31	162	193
Chester-le-Street ...	39	116	155
Consett ...	12	29	41
Darlington ...	2	21	23
Horden ...	17	82	99
Jarrow ...	42	189	231
Sherburn ...	34	114	148
Stanley ...	15	129	144
Stockton ...	35	252	287
Sunderland ...	30	122	152
West Hartlepool ...	11	40	51
Whickham ...	22	72	94
SANATORIA :—			
Ford Hospital, Sunderland ...	125	89	214
Helmington Row... ..	53	19	72
Tindale Crescent ...	43	21	64
Totals	511	1,457	1,968

Table 17.

VENEREAL DISEASES SPECIMENS.

Number of specimens sent for examination under the Venereal Diseases Scheme during 1937 :—

	Wasser- mann.	Micro- scopical.	C.S. fluid Wasser- mann. reaction.	Gono- coccal comple- ment fixation.	Culture	Ascitic Fluid Wass.	C.S. Fluid Gen. Exam.	Totals.
Medical Practitioners	180	62	3	15	—	—	—	260
Hospitals	643	20	101	4	—	—	—	768
TREATMENT CENTRES.								
Darlington	87	—	—	1	—	—	1	89
Durham	310	—	3	—	—	—	1	314
Newcastle	854	—	4	128	—	—	4	990
South Shields ...	90	—	1	—	—	—	1	92
Stockton	175	—	—	—	—	—	—	175
Sunderland... ..	332	194	20	48	—	—	5	599
West Hartlepool ...	17	—	—	—	—	—	—	17
Totals	2688	276	132	196	—	—	12	3304

The following statement gives the number of specimens sent for examination by the school medical officers during 1937 :—

Table 18.

	Positive.	Negative.	Inconclusive.	Total.
Swabs for Diphtheria	23	488	—	511

MATERNITY AND NURSING HOMES.

Nursing Homes Registration Act, 1927 :—The County Council, being the Local Supervising Authority, is responsible for the administration of this Act throughout its maternity and child welfare area. No application was made during the year for delegation of their powers to a district council under section 9 (2) of the Act.

Eleven general and cottage hospitals were re-inspected during the year and granted exemption for a further period of one year.

Nine of the registered maternity and nursing homes were also re-inspected periodically.

Table 19.

REGISTERED HOMES.

	Maternity.	Maternity and General.	General and Cottage Hospitals.	Mental Home for border- line uncerti- fied cases.
1. No. of applications for registration ...	—	—	—	—
2. No. of Homes registered...	*4	5	—	1
3. No. of orders made refusing or cancelling registration	—	—	—	—
4. No. of appeals against such orders ...	—	—	—	—
5. No. of cases in which such orders have been				
(a) confirmed on appeal	—	—	—	—
(b) disallowed ...	—	—	—	—
6. No. of applications for exemption from registration	—	—	11	—
7. No. of cases in which exemption has been				
(a) granted ...	—	—	11	—
(b) withdrawn ...	—	—	—	—
(c) refused ...	—	—	—	—

* Two homes are not at present admitting patients but wish to remain registered. They will be re-inspected before further patients are admitted.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS.

St. Monnica's Home, Bishop Auckland, is the only institution in the administrative county where special provision is made for unmarried mothers. The Home has accommodation for 10 mothers who remain there until the babies are 6 months old. An assistant welfare medical officer undertakes the ante-natal work and medical supervision of the babies. The Matron and her assistant are trained midwives and deliver all normal cases. The County Council gives an annual grant of £470.

Twenty-three girls were admitted and eighteen babies were born. Twenty-two girls were discharged—one girl refused to stay. Ten girls and five babies were in the Home at the end of the year.

MATERNITY AND CHILD WELFARE.

WELFARE MEDICAL STAFF.

The staff consists of one senior welfare medical officer and fifteen assistant welfare medical officers.

CENTRES.

An additional centre was opened at Fishburn on the 13th December, 1937. The centre at Sherburn was transferred to Belmont for the greater convenience of mothers residing in the new housing estates. Barnard Castle centre was taken over by the County Council on the 1st April, 1937. At the end of the year there were 79 centres in the maternity and child welfare area of the administrative county.

The nature of the maternity and child welfare services in the county areas is such that it is not practicable to establish ad hoc premises for every centre which is required. Twelve of the centres are held in premises owned by the County Council, only four of which, however, were built for the purpose. The remaining centres are held in premises such as church halls and miners' welfare halls temporarily adapted. Every effort is made to make the premises as comfortable and attractive as possible but limitations of space and arrangement of the rooms unavoidably associated with such adapted buildings place restrictions upon the activities which are possible in many of the centres.

Table 20 shows the attendances at the welfare centres during the year.

The following statement gives the attendances during the year of mothers from the administrative area at welfare centres outside the county maternity and child welfare area :—

Table 20.

ATTENDANCES AT CHILD WELFARE CENTRES, 1937.

CENTRE.	Babies under 1 Year.					Children 1-3 Years.					Children 3-5 Years.					Expectant Mothers.				
	No. on Books.	Attendance.	Average Attend. per session.	Consultations.	Average Consult. per session.	No. on Books.	Attendance.	Average Attend. per session.	Consultations.	Average Consult. per session.	No. on Books.	Attendance.	Average Attend. per session.	Consultations.	Average Consult. per session.	No. on Books.	Attendance.	Average Attend. per session.	Consultations.	Average Consult. per session.
*Annfield Plain ...	146	1472	21	1463	21	226	784	11	782	11	118	245	3	245	3	110	335	10	335	10
*Barnard Castle ...	42	352	14	296	12	59	427	17	343	14	55	199	8	127	5	21	85	4	85	4
*Belmont ...	43	461	19	458	18	78	362	15	361	15	51	165	7	165	7	20	73	3	73	3
*Billingham ...	161	2707	28	1408	15	267	2185	23	1043	11	273	1282	13	692	7	111	374	11	373	11
*Birtley ...	107	1106	11	1025	10	209	827	8	807	8	212	496	5	491	5	98	373	9	373	9
*Bishop Auckland ...	120	1372	13	1272	12	228	1278	12	1180	11	187	521	5	474	5	190	721	20	688	19
*Blackhall ...	126	1211	16	1170	16	149	487	7	477	7	114	252	4	249	4	60	207	8	207	8
*Blaydon ...	111	1072	16	1028	16	167	540	9	510	9	127	343	5	326	5	113	379	16	379	16
*Boldon ...	81	1202	12	1015	10	165	808	8	683	7	75	248	3	231	3	64	190	7	190	7
*Brandon ...	108	1263	26	1219	26	159	630	14	679	14	100	291	6	287	6	58	184	8	184	8
Burnhope ...	21	302	13	302	13	42	160	7	159	7	23	66	3	66	3	9	28	1	28	1
Burnopfield ...	51	553	12	544	11	78	301	7	298	7	51	118	3	118	3	30	79	4	79	4
Butterknowle ...	23	210	8	210	8	40	264	10	264	10	40	222	9	221	9	16	28	1	28	1
Castletown ...	43	382	8	370	8	69	365	8	359	7	81	321	7	320	7	33	120	3	120	3
*Chester-le-Street ...	181	1484	15	1427	15	290	1070	11	1059	11	226	556	6	548	6	152	617	13	617	13
Chilton ...	40	470	10	457	10	71	425	9	411	9	51	219	5	210	5	39	158	6	158	6
*Chopwell ...	88	891	12	885	12	149	483	7	477	7	80	217	3	217	3	84	260	10	260	10
Cockfield ...	26	209	10	209	10	48	212	10	212	10	34	134	7	134	7	2	2	—	2	—
*Consett ...	185	1733	14	1707	14	275	707	6	700	6	193	334	3	332	3	96	262	11	262	11
*Coundon ...	68	709	10	703	10	124	612	9	611	9	111	544	8	544	8	87	267	11	266	11
Coxhoe ...	94	1100	21	1053	21	159	585	12	563	11	62	185	4	176	4	54	173	7	172	7
Craghead ...	54	565	12	557	12	77	269	6	267	6	50	123	3	123	3	37	116	4	116	4
*Crook ...	116	1026	12	1001	12	192	1059	12	1047	12	171	662	8	658	8	100	298	12	298	12
*Dunston ...	126	1180	17	1063	16	166	572	8	540	8	104	288	4	276	4	123	335	22	335	22
*Durham ...	150	1393	19	1365	18	229	800	11	791	11	123	293	4	293	4	128	434	9	434	9
*Easington ...	150	1802	24	1316	18	213	754	10	629	9	130	323	5	294	4	72	229	9	229	9
Eighton Banks ...	32	351	14	331	13	41	213	8	207	8	26	92	4	88	4	—	—	—	—	—
*Eldon ...	88	789	19	757	18	152	902	22	872	21	77	145	4	134	3	56	140	10	139	10
*Esh Winning ...	44	351	8	346	8	94	463	10	461	10	85	259	6	257	6	42	112	5	112	5
*Felling ...	190	1845	39	1788	35	307	944	19	942	19	173	411	9	411	9	187	644	16	642	16
*Ferryhill ...	140	1473	21	1436	21	178	744	11	714	11	116	416	6	403	6	122	395	17	395	17
*Fishburn ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
*Grange Villa ...	102	1267	17	1234	17	184	849	12	833	12	100	325	4	320	4	65	234	9	234	9
*Haverton Hill ...	101	1612	21	975	13	128	1310	17	722	10	101	393	6	291	4	46	159	6	159	6
*Hebburn ...	231	2049	17	1830	15	423	1341	11	1256	10	286	553	5	522	5	215	654	13	654	13
*Hetton ...	159	1669	20	1657	20	271	949	11	938	11	206	696	8	651	8	112	391	8	391	8
*Horden ...	169	1453	16	1375	15	210	533	7	577	6	203	363	4	349	4	113	326	7	320	7
*Houghton-le-Spring ...	207	1928	13	1881	13	397	1230	8	1211	8	316	922	6	902	6	188	601	12	601	12
Lanchester ...	31	238	10	236	10	33	147	6	146	6	21	44	2	44	2	14	34	1	34	1
*Langley Park ...	44	430	15	424	15	53	239	8	238	8	37	117	5	117	5	51	163	7	163	7
Marley Hill ...	22	274	11	268	11	45	198	8	191	8	19	42	2	42	2	5	13	1	13	1
Middleton-in-Teesdale ...	21	136	6	136	6	28	162	7	162	7	30	142	6	148	6	19	54	3	54	3
Middleton St. George ...	13	134	5	110	5	37	225	8	196	8	37	189	7	158	7	6	12	1	12	1
*Mutton ...	130	1171	16	1022	14	153	421	6	395	6	137	307	4	288	4	130	336	13	334	13
*New Herrington ...	144	1624	22	1542	21	191	781	11	764	11	123	327	4	323	4	91	349	14	349	14
*Rowlands Gill ...	84	861	11	852	11	137	623	9	617	9	108	388	5	388	5	77	317	13	317	13
Ryhope ...	80	869	17	691	13	119	673	13	555	11	74	198	4	159	3	17	37	2	37	2
*Ryton ...	110	1260	17	1238	16	143	632	9	681	9	82	293	4	286	4	92	290	11	290	11
*Sacrison ...	82	637	13	605	12	138	408	8	396	8	106	274	6	257	5	69	270	11	270	11
*Seaham Harbour ...	248	2531	15	2411	15	450	1877	12	1812	11	286	928	6	891	6	222	623	13	613	13
Sedgefield ...	30	232	9	230	9	61	203	9	203	9	23	84	3	80	3	30	70	6	70	6
Sherburn Hill ...	39	262	11	262	11	28	91	4	90	4	33	89	4	89	4	18	57	2	57	2
*Shildon ...	116	1359	18	1264	17	213	1049	14	990	14	119	323	5	298	4	77	323	13	318	13
*Shotley Bridge ...	72	758	15	740	15	104	427	9	419	9	88	241	5	237	5	29	74	3	74	3
*Shotton ...	114	1107	14	1057	14	159	515	7	505	6	133	261	3	259	3	73	247	10	247	10
*Silksworth ...	70	973	14	858	13	133	793	12	698	10	83	296	4	277	4	47	102	4	96	4
*South Hylton ...	41	376	9	308	7	61	390	9	337	8	59	207	5	187	4	29	105	4	105	4
South Moor ...	66	609	13	609	13	106	355	7	354	7	56	170	4	170	4	11	24	2	24	2
*Spennymoor ...	201	2027	21	1992	21	316	1308	14	1299	14	192	588	6	582	6	164	499	10	499	10
Staindrop ...	21	176	8	176	8	36	211	9	211	9	36	154	7	153	7	10	20	1	20	1
Stanhope ...	24	181	14	181	14	40	169	13	168	13	21	80	7	80	7	7	16	1	16	1
St. John's Chapel ...	11	71	3	71	3	21	129	5	129	5	19	72	3	72	3	3	8	—	8	—
*Swalwell ...	43	373	15	371	15	69	257	11	253	10	28	52	2	51	2	64	230	10	230	10
*Tanfield Lea ...	37	382	8	382	8	89	298	6	297	6	53	113	3	113	3	40	108	5	108	5
Thornley ...	67	746	15	710	14	94	393	8	365	7	49	173	3	163	3	36	125	5	125	5
Tow Law ...	31	303	7	302	7	50	389	9	381	9	44	225	5	225	5	27	98	5	98	5
*Trindon ...	73	833	34	789	33	131	443	19	410	17	48	86	4	81	4	83	288	12	288	12
*Washington ...	175	1457	19	1356	18	310	1305	16	1228	15	265	779	10	741	9	168	669	14	669	14
*West Auckland ...	73	799	11	781	11	137	795	11	793	11	149	631	8	628	8	70	207	9	207	9
*West Stanley ...	127	1059	14	1045	14	200	765	10	763	10	120	296	4	295	4	96	273	9	272	9
*Wheatley Hill ...	56	604	14	587	14	95	371	9	354	9	54	148	3	147	3	42	98	7	98	7
*Whickham ...	48	505	20	448	18	64	258	11	235	10	34	122	5	109	5	23	62	3	62	3
Whitburn ...	31	397	16	283	12	49	282	11	219	9	31	137	6	118	5	16	43	2	43	2
*Willington ...	73	713	20	657	18	91	454	13	422	12	58	166	5	146	4	44	164	7	164	7
*Wingate ...	96	1078	14	1054	14	112	613	8	604	8	71	183	2	180	2	64	2			

Number of Pregnancy.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1738	1180	680	448	317	215	156	125	56	44	27	13	13	8	3	2	1	2

Total—5028

History of Previous Confinements.

Normal	...	...	...	...	...	7926
Abnormal	...	...	...	...	...	605
Instrumental	...	...	...	...	...	1112
Induction	...	...	...	...	...	17
Caesarean	...	...	...	...	...	17
...						9677

Full Term	...	...	...	...	...	8460	(45 sets of twins). (1 set of triplets).
Still Births	...	...	...	...	...	338	(1 set of twins).
Premature	...	...	...	...	...	269	(3 sets of twins).
Abortions	...	...	...	...	...	610	
						9677	

Health of Mothers.

Poor.	Moderate.	Good.	Total.
349	1502	3177	5028

Results of Confinements (a).

Normal	...	...	...	...	...	3048
Abnormal	...	...	...	...	...	152
Instrumental	...	...	...	...	...	381
Induction	...	...	...	...	...	10
Caesarean	...	...	...	...	...	31
Other Complications	...	...	...	...	...	12
Removed	...	...	...	...	...	82
Not yet delivered	...	...	...	...	...	1312
						5028

Full Time	...	...	...	...	...	3362
Premature	...	...	...	...	...	95
Still Births	...	...	...	...	...	144
Abortions	...	...	...	...	...	33
						3634

(b)

County Maternity Home	...	...	...	226
Richard Murray Hospital	...	...	...	63
Princess Mary Maternity Hospital	...	...	...	178
Sunderland Maternity Home	...	...	...	51
Public Assistance Hospitals	...	...	...	37
Other Maternity Homes and Hospitals	...	...	...	31
Doctor engaged	...	...	...	142
Midwife engaged	...	...	...	2,224
Doctor and midwife engaged	...	...	...	604
Doctor and handywoman engaged	...	...	...	16
B.B.A.	...	...	...	62
Removed	...	...	...	82
Not yet delivered...	...	...	...	1,312
				<hr/> 5,028 <hr/>

The following diseases and conditions were those most usually found in the patients who came for ante-natal examination :—

Anæmia	...	...	...	701	Albuminuria plus raised blood		
Vomiting	...	...	...	811	pressure	...	145
Dental caries...	...	...	...	2175	Albuminuria	...	278
Cardiac	...	...	...	501	Venereal disease	...	16
Non-Venereal discharge	...	...	...	962	Varicose veins	...	823
Placenta prævia	...	...	...	16	Hæmorrhoids	...	237
Respiratory disease	...	...	...	134	Constipation	...	1317
Malpresentation (rectified)	...	...	...	125	Toxic Ante-partum hæmorrhage	60	
Tuberculosis	...	...	...	50	Some degree of pelvic con-		
					traction	...	339
					Other conditions	...	1082

POST-NATAL CLINIC.

Hebburn is the only welfare centre with a special session for this work. This clinic commenced on the 26th May and was open fortnightly. The number on the books at the end of the year was 31, and the attendances numbered 40.

195 mothers attended the ante-natal sessions for examination and advice for minor gynaecological complaints.

BIRTH CONTROL CLINICS.

There are eight clinics at which birth control advice is given and appliances supplied.

Table 21.

Centre.	No. of Mothers on books.	No. of attendances made by Mothers.
Billingham	20	43
Birtley	37	72
Bishop Auckland...	24	53
Blaydon	58	162
Consett	71	116
Durham	82	163
Felling	36	53
Seaham Harbour...	89	118
Totals	417	780

DENTAL CLINICS.

The number of dental clinics (10) remains the same as last year, viz. :—

Birtley	monthly session.
Bishop Auckland...	fortnightly session.
Consett	monthly session.
Durham	fortnightly session.
Felling	monthly session.
Horden	monthly session.
Houghton-le-Spring	fortnightly session.
Seaham Harbour	monthly session.
Trimdon	monthly session.
West Stanley	monthly session.

Special grants are made to these clinics by the County Council.

Table 22 shows the work done at the dental clinics during the year.

ULTRA VIOLET RAY CLINICS.

Ultra violet ray and radiant heat lamps were installed at Annfield Plain, Billingham, Hetton, Seaham Harbour, and Washington centres during the year, making a total of fifteen centres equipped with ultra violet and radiant heat lamps.

Table 22.

CENTRE.	No. of Patients Treated. Mothers.	No. of Patients Treated. Children.	No. of Attendances made by Mothers.	No. of Attendances made by Children.	Extrac- tions.		Scal- ings.		Fill- ings.		Dentures for Mothers.				Other Treatment.		Fees. Received. £ s. d.	Number of Attendances of Dentist.	
					For Dentures, Mothers.	Casual		Mothers.	Children.	Mothers.	Children.	Full Upper	Full Lower.	Partial Upper	Partial Lower	Mothers.			Children.
						Mothers.	Children.												
Birtley	22	53	31	59	37	19	80	—	—	—	—	—	—	—	—	6 examinations 4 other treatment 1 repair	2 recom. to Hospital 5 examinations	5 12 6	13
Bishop Auckland ...	47	28	110	63	150	113	73	—	—	—	20	5	5	1	—	11 other treatment	—	36 11 3	25
Consett	18	56	22	61	118	45	173	—	—	—	—	—	—	—	—	—	—	6 0 3	11
Durham	43	87	86	105	269	16	271	—	—	—	—	7	5	—	2	1 other treatment 1 impression	—	43 12 6	23
Felling	26	23	26	24	12	25	54	1	—	—	—	4	3	1	—	1 repair	—	25 5 9	12
Horden	46	70	76	76	101	47	104	—	—	2	3	2	3	2	—	4 impressions 1 repair 10 examinations	3 recom. to Hospital 9 examinations 1 other treat- ment	20 9 3	13
Houghton-le-Spring	87	103	117	103	294	73	188	2	—	—	—	11	9	—	—	21 impressions 13 examinations 3 dentures adjusted	3 examinations 6 A.G. No. 3	51 13 2½	23
Seaham Harbour ...	72	49	85	51	102	61	141	—	—	—	—	12	12	—	—	1 repair	—	50 3 6	12
Trimdon	39	30	56	30	164	48	61	—	—	—	—	4	4	1	—	1 examination	1 advised	25 0 9	13
West Stanley	27	37	41	44	246	17	116	—	—	—	—	3	3	—	—	2 impressions	—	18 2 3	12

Table 22

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	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The following table gives details of treatment at each of the clinics during the year :—

Table 23.

CENTRE.	No. of Patients treated.	No. of Treatments given.	No. of Sessions held.	Average No. per Session.
Annfield Plain ...	180	1671	54	31
Billingham ...	52	226	7	32
Birtley ...	274	3631	97	37
Bishop Auckland ...	295	3522	97	36
Blaydon ...	496	4709	98	49
Dunston ...	243	2367	99	24
Durham ...	292	3484	99	35
Felling ...	353	3677	98	37
Hebburn ...	448	5315	97	55
Hetton ...	129	796	24	33
Horden ...	366	5195	97	54
Houghton-le-Spring	428	5223	98	53
Seaham Harbour ...	56	141	5	28
Washington ...	178	2241	36	62
West Stanley ...	357	3634	98	37

CASES OF SQUINT.

273 cases of squint were treated during the year by the school oculists in accordance with the arrangement between the school medical department and the maternity and child welfare department.

PREVENTION OF DEAFNESS.

Under the arrangements made with the Royal Victoria Infirmary, Newcastle-on-Tyne, and the Royal Infirmary, Sunderland, 52 cases were recommended for treatment by the welfare medical officers. The cost of the services provided is paid by the County Council.

ORTHOPÆDIC TREATMENT.

Children requiring treatment received it at the voluntary hospitals and public assistance institutions. Assistance towards the cost of appliances and travelling expenses was given by the County Council, the Invalid Children's Aid Association and the voluntary committees at the welfare centres.

E. F. PEILE COUNTY CONVALESCENT HOME, SHOTLEY BRIDGE.

This Home has accommodation for 24 children from one to five years of age and nine mothers with infants under nine months.

Ultra violet ray and radiant heat lamps were installed during the year.

Two deaths occurred during the year, one an infant of nine weeks and the other a child of 14 months.

Outbreaks of chicken-pox and measles occurred during the year, but all the children made excellent recoveries.

The Home was visited by the senior welfare medical officer weekly and an assistant welfare medical officer fortnightly. All cases of illness were attended by the resident medical officer of the Richard Murray Hospital, Blackhill.

The assistant welfare medical officer and the matron gave lectures to the trainees who were prepared for the London Day Nurseries Examinations. The high percentage of successful candidates in the examinations was maintained and the matron had no difficulty in getting the trainees placed in suitable posts.

The chief medical reasons for the admission of the mothers to the Home were anaemia, general debility, and failing milk supply. Without exception, all the mothers derived much benefit from their stay.

The children were admitted because of debility following acute illness, rickets, and anaemia. They benefited both physically and mentally from the generous diet, adequate rest, and the happy atmosphere of the Home.

The following statement shows the admissions and discharges and average duration of stay during the year :—

	Admitted.	Discharged.	Average duration of stay.
Mothers... ..	135	133	19 days.
Babies	139	133	19 days.
		(1 died)	
Children 1-5 years	226	214	22 days.
		(1 died)	

A dentist visits the Home fortnightly for the treatment of mothers and children. Treatment was given as follows :—

Visits	...	...	...	...	...	25
Attendances made by mothers...	...	...	...	...	...	128
Attendances made by children...	...	...	...	...	...	49
Attendances made by staff	...	...	...	...	...	4
Extractions for mothers	...	...	...	...	...	383
Extractions for children	...	...	...	...	...	20
Extractions for staff	...	...	...	...	...	8
Scalings for mothers	...	...	...	...	...	14

BABIES' HOSPITAL, NEWCASTLE-ON-TYNE.

Five children were admitted to this hospital for treatment of hare lip and cleft palate in accordance with the arrangement made by the County Council. Four children were also admitted for other forms of special treatment.

ACTIVITIES OF VOLUNTARY COMMITTEES.

There are voluntary committees in connection with each of the 78 welfare centres. These committees are responsible for the distribution of milk, drugs, etc., as well as the social activities of the centres. They continue to work in close co-operation with the County Council officials.

FEDERATION OF VOLUNTARY WORKERS CONVALESCENT SCHEME.

During the year £188 16s. 6d. was subscribed to this scheme by the voluntary committees. 36 mothers and 27 mothers with children were sent to convalescent homes and private houses for a rest and change of environment.

HEALTH AND BABY WEEK CELEBRATIONS.

Celebrations were organised by the voluntary committees in conjunction with the welfare medical officers and health visitors at most of the centres in the county. Addresses and demonstrations were given at all the centres, while in addition at some centres films were shown and the county travelling health exhibition was on view. The subject of maternal mortality and abortion was dealt with at these meetings by the welfare medical staff.

Delegates from many centres attended the Annual Baby Week Conference in London.

NATIONAL HEALTH CAMPAIGN.

In connection with this campaign 100 lectures were given in various parts of the county by the welfare medical staff.

COUNTY FEDERATION OF VOLUNTARY WORKERS.

Six meetings were held in Durham during the past year at which the following subjects were discussed :—nursery schools, physical fitness campaign, Baby Week Conference, the maternity and child welfare work in Durham County and child guidance and delinquency.

MATERNAL MORTALITY.

Investigations are made into every maternal death which occurs in the maternity and child welfare area of the county. The necessary information is obtained by the welfare medical officers from the hospitals, institutions, and doctors concerned. Reports are submitted by the County Midwives Inspector and the Superintendent of the County Nursing Association where midwives have been in attendance.

The services of consultant obstetricians are available for medical practitioners who are in attendance on cases of difficult labour, and by arrangements which the County Council made in January, 1936, with the Princess Mary Maternity Hospital, Newcastle-on-Tyne, an emergency service is provided by that institution whereby a medical practitioner can have a consultant obstetrician, a nurse, and equipment despatched by car to his patient's home.

Sixty-seven deaths have been investigated during the year of which the following details are given :—

Ages—Under 20	...	...	...	...	...	Nil.
20-29	...	...	...	...	...	27
30-39	...	...	...	...	...	33
40-49	...	...	...	...	...	7—67

Parity.

1	2	3	4	5	6	7	8	9	10	11	17
23	10	4	5	3	4	4	7	3	2	1	1—67

Ante-natal Care.

Ante-natal clinic	...	...	...	...	2
Do.	and doctor	...	...	...	2
Do.	and midwife	...	...	...	5
Do.	doctor and midwife	...	...	...	4
Doctor	...	...	...	...	13
Doctor and midwife	...	...	...	...	8
Midwife	...	...	...	...	11
Maternity homes and hospitals	...	...	...	...	1
Do.	and doctor	...	...	...	3
No care	...	...	...	...	18—67

Urine tested.—49.

Normal	...	...	...	...	36
Albuminuria	...	...	...	...	13
Not tested...	...	...	...	...	18—67

Attention at Birth.

Doctor and midwife	...	...	...	18
Doctor and handywoman	...	...	...	2
Midwife	...	...	...	3
Doctor	...	...	...	3
B.B.A.	...	...	...	2
Hospitals and maternity homes	...	...	...	39—67

Results.

Undelivered	...	...	...	...	19
Live births	...	...	...	...	19
(11 died before 2nd week ; 2 Premature ; 1 Caesarean Section ; 1 Instrumental ; 1 set of twins (1 S.B., 1 Alive).)					
Stillbirths	...	...	...	...	14 (1 premature 1 set of twins).
Abortion and miscarriage	...	...	...	...	12
Macerated	...	...	...	...	3—67

Nursing of Mothers.

Midwives	...	...	...	...	21
Handywomen	...	...	...	...	7
Hospitals	...	...	...	...	39—67
10 cases nursed by midwives and handy-women were also nursed in hospital.					

Causes of Death.

Puerperal sepsis	...	...	...	...	3
Eclampsia...	...	...	...	...	10
Post-partum hæmorrhage	...	...	...	...	1
Ante-partum hæmorrhage	...	...	...	...	1
Acute Yellow Atrophy of liver...	...	...	...	...	2
Cardiac disease	...	...	...	...	8
Embolism	...	...	...	...	5

Accidental Haemorrhage	...	...	...	...	1
Empyema ...	...	...	...	...	1
Pneumonia	...	...	...	...	2
Pyelo Nephritis	...	...	...	...	1
Anaesthesia	...	...	...	...	1
Obstetric Shock	...	...	...	...	5
Acute Cortical Necrosis	...	...	...	...	1
Hyperemesis	...	...	...	...	6
Placenta Prævia	...	...	...	...	7

Causes of death in 12 cases of abortion.

Puerperal sepsis	...	...	...	...	7
Post-Partum Haemorrhage	...	...	...	...	1
Eclampsia...	...	...	...	...	1
Gas Gangrene	...	...	...	...	1
Acute Yellow Atrophy of Liver	...	...	...	...	1
Nephritis	...	...	...	...	1—67

Previous health.

Good	...	...	...	...	...	22
Moderate	...	...	...	...	...	21
Poor	...	...	...	...	...	24—67

PUERPERAL FEVER AND PUERPERAL PYREXIA.

There were 134 cases of puerperal fever and puerperal pyrexia notified during the year in the administrative county compared with 175 during 1936. The number of cases notified in the maternity and child welfare area of the county was 111 compared with 159 during 1936. Eighteen deaths were registered from puerperal sepsis in the administrative county and 15 in the maternity and child welfare area during the year, compared with 46 and 40 during the previous year.

In accordance with the arrangements made by the County Council under the Public Health (Puerperal Fever and Puerperal Pyrexia) Regulations, 1926, 21 cases were admitted to the Princess

Mary Maternity Hospital, Newcastle-on-Tyne, 18 to the Royal Infirmary, Sunderland, and 1 to the Thorpe Isolation Hospital, Easington ; the services of consultants were utilised in 26 cases ; and the services of the emergency nurse were requisitioned in 4 cases.

Special investigations continue to be made by the Senior Welfare Medical Officer, the County Midwives Inspector, and the Superintendent of the County Nursing Association into all cases of rise of temperature occurring in the practice of midwives in the area of the county for which the County Council is the Local Supervising Authority under the Midwives Acts.

HEALTH VISITORS.

NOTIFICATION OF BIRTHS ACTS.

The County Council administers the Notification of Births Acts in the whole of the administrative county with the exception of the municipal boroughs of Hartlepool, Jarrow and Stockton. In the area administered by the County Council 12,987 live births and 462 stillbirths were notified, while the number registered was 13,058 and 603 respectively (the corresponding number of registered births in 1936 was 13,253 and 643 respectively). Of the notified births 9,569 were reported by midwives, 2,491 by doctors, 1,251 by maternity homes and hospitals, 87 by public assistance institutions and St. Monnica's Home, and 51 by relatives or other persons. The health visitors paid first visits to 13,303 births and it was found that in 2.5 per cent. of the cases no doctor or midwife was present at the birth.

MILK ASSISTANCE SCHEME.

The number of families assisted under the scheme during the year was 9,073, while the number receiving assistance at the end of the year was 4,894 compared with 10,326 and 5,556 respectively in 1936. Most of the milk supplied was dried milk but an increasing proportion of fresh milk is being supplied, designated milk being utilised as far as possible.

PUBLIC HEALTH ACT, 1936, CHILD LIFE PROTECTION.

At the end of the year 56 cases were under supervision. Generally speaking the standard of care is good, the children feeling themselves to be members of the family. There is still considerable ignorance about the provisions of the Act, especially the regulation requiring seven days' previous notice from a prospective foster parent taking a child for the first time. Neglect of this injunction has lead to children being placed in unsuitable homes from which they have had to be removed.

WELFARE JOURNAL.

The circulation of this journal is satisfactorily maintained.

COUNTY TRAVELLING HEALTH EXHIBITION.

The Exhibition was on view in 17 towns and villages during the year.

HEALTH VISITORS' TRAINING SCHOOL.

Four of the seventeen students in training failed at the examination in April, but all were successful later.

HOME SUPERVISION OF CHILDREN UNDER SCHOOL AGE.

During the year there were approximately 56,802 children under five years of age under supervision by the health visitors. To the children under one year of age 13,303 first visits and 36,257 revisits were paid. These figures show that, allowing for still-births and deaths in the first month, each child under 1 year received approximately 4 home visits. 6,844 or 52.4% of the children under 1 year attended the child welfare centres.

There were approximately 43,744 children between the ages 1 and 5 years, to whom the health visitors paid 102,700 visits, approximately 2.3 home visits per child per year. The number of children between the ages of 1 and 5 who attended welfare centres was 18,587; this figure shows that only 42.4% of the children attended a welfare centre even once. When it is remembered that a considerable proportion of children entering school at the age of

five are suffering from appreciable remediable defects, the seriousness of the position becomes apparent. At every home visit the health visitor advises the mother that the child welfare centre is open to children up to the age of five years and it is desired that each child should attend the welfare centre at least four times yearly. Generally speaking, there is a welfare centre within reasonable distance of most homes. The outlying areas in the west and the south are exceptions but these areas are only sparsely populated. It is unfortunate that parents cannot be brought to realise the importance of taking advantage of the facilities provided by the welfare centres for children under five years. The Ministry of Health has repeatedly stressed the importance of adequate supervision of the health of children of this age. If a child does not attend the welfare centre and is only seen by the health visitor in its home rather more than twice during the year, supervision falls short of what can be described as reasonably adequate.

SUMMARY OF WORK DONE BY HEALTH VISITORS.

The following is a summary of work done by the health visitors during the year ended 31st December, 1937 :—

Table 24.

MATERNITY AND CHILD WELFARE.

Ante-natal—1st visits	...	...	...	...	...	...	...	2981
Re-visits	...	...	...	...	...	...	...	2299
Births—1st visits	...	...	...	...	...	...	...	13303
Re-visits under 1 year	...	...	...	...	...	...	...	36257
„ 1 to 2 years	...	...	...	...	...	...	...	26856
„ 2 to 3 „	...	...	...	...	...	...	...	25365
„ 3 to 4 „	...	...	...	...	...	...	...	22980
„ 4 to 5 „	...	...	...	...	...	...	...	26884
„ 5 to 6 „	...	...	...	...	...	...	...	615
Uncertified Midwives	...	...	...	...	...	...	...	18
TOTAL								157558

TUBERCULOSIS.

Tuberculosis—1st visits ...	...	...	...	...	...	...	1415
Re-visits ...	...	...	...	...	...	...	16002
							<hr/>
			TOTAL	...	...	...	17417

SCHOOL WORK.

School Children (Home visits) ...	...	...	...	...	...	23784
Visits to Schools ...	...	...	...	...	...	4284
TOTAL ...						<u>28068</u>

MENTAL DEFICIENCY.

Total number of visits paid to mentally defective persons	5103
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GRAND TOTAL :—

Total number of actual visits	217531
Unclassified visits distributed pro rata	9385
Ineffective visits distributed pro rata ...	...	18917

PROPORTION OF WORK IN PERCENTAGES :—

<i>M. and C.W.</i>	<i>Tuberculosis.</i>	<i>Mental Deficiency.</i>	<i>School Work.</i>
76.2	12.4	1.3	10.1

REPORTED TO DISTRICT MEDICAL OFFICERS OF HEALTH :—

Overcrowding ...	...	...	...	161
Sanitary Defects ...	...	...	...	471
TOTAL ...				<u>632</u>

In addition to the above the health visitors saw a very large number of parents and children at the welfare centres, tuberculosis dispensaries, dental clinics, and during their inspections at schools.

The attendances of health visitors numbered 7,044 at welfare centres, 1,577 at tuberculosis dispensaries, 107 at school clinics, and 409 days were spent in inspections regarding school children, while 31 days were spent in conducting children to special schools.

ORTHOPÆDIC TREATMENT.

Owing to the need for increased orthopædic facilities in the county a complete orthopædic scheme, embracing the whole of the geographical county, has been formulated by the Central Council for the Care of Cripples and has the full support of the County Council. This scheme includes the erection of a Central Orthopædic Hospital and School with accommodation for 120 beds, 100 of which will be allocated and 20 kept in reserve. Orthopædic clinics, which will be attached to the hospital, will be established throughout the area at convenient centres and managed either by a voluntary committee or by a local authority, as may be arranged.

The scheme also provides for co-operation with orthopædic units in the main general hospitals. These units will comprise a ward for short-stay cases and an orthopædic clinic. The unit will in most cases have attached to it a fracture clinic, and working in connection with the fracture clinic, an adjustment section whose business it will be to help the patient to be fully restored in every way as quickly as possible.

To co-ordinate these activities the Durham County Orthopædic Association has been formed. This Association comprises a County Committee with associated or district committees, based on clinic areas to cover the county. The County Committee includes representatives of public authorities, general hospitals, medical practitioners, etc., and from this a hospital sub-committee has been appointed which includes two representatives from the County Council.

The capital cost of building the central hospital will be provided partly by a grant from the Commissioner for Special Areas and partly from voluntary funds, but no part of it will fall upon the local authorities. Standing and maintenance costs will, however, be met by the local authorities.

Plans for the central hospital are in course of preparation and the site chosen is near Durham City.

At the time of writing there are 249 names on the register of crippled persons, 60 of whom are employed as home workers.

WATER SUPPLY.

The inquiry into the sources of water supply within the county begun in 1936 was completed during the past year. These sources are varied, use being made of moorland surface water, river water, springs, artesian bores, colliery water, and, in small supplies, shallow wells.

The plumbo-solvency tests of water supplies, mentioned in my last report, have been initiated in conjunction with the Chemical Research Laboratory, and the first of these, conducted on the Durham City supply indicates that this is slightly lead-solvent, a result consistent with its peaty origin and low degree of hardness. This work is being continued.

Towards the end of the year a work of major importance was completed with the official opening on the 15th September, 1937, of the Burnhope Reservoir on the Burnhope Burn in upper Wear-dale. This reservoir actually came into commission towards the end of 1935 and its construction was rendered possible as the result of statutory power granted to the Durham County Water Board in 1922. The present arrangements with regard to the utilisation of the water at the reservoir, which has a capacity of 1,357 million gallons, are that the Durham County Water Board is entitled to draw off 46 per cent. of the amount available, viz. 4,250,000 gallons daily average throughout the year (exclusive of compensation water) and the Sunderland and South Shields Water Company the other 54 per cent. The latter company has not so far constructed its aqueduct from the reservoir and it is therefore not yet in a position to obtain the benefit to which it is entitled under the Act of 1922.

The Durham County Water Board, which provides a public supply to the central area of this county, has now in commission more than forty reservoirs of various sizes and is the largest supplier in the county. The following five reservoirs have particularly large capacities :—

<i>Reservoir.</i>					<i>Capacity in millions of gallons.</i>
Burnhope	...	...	...	...	1,357
Tunstall	...	...	...	...	520
Waskerley	...	...	...	...	450
Smiddy Shaw	...	...	...	...	305
Hisehope	...	...	...	...	106

With regard to the quantity and quality of supplies, the officers of most district councils conduct sampling, as and when required, and, with one exception, the supplies have been free from serious complaint.

Extensions and improvements to the water supplies have been carried out during the year by the councils of some rural districts in the County, viz. :—The Barnard Castle Rural District Council have completed their upper Teesdale supply, and the Darlington Rural District Council bored for water at Redworth and are obtaining about 30,000 gallons daily from that source.

The township of Bishop Auckland obtains its supply from an intake on the River Wear at Mill Dam. A situation of some gravity has arisen by reason of the continued pollution of the Crook-and-Beechburn Beck which has its confluence with the Wear upstream from this point. The pollution is by sewage from the disposal works of the Crook and Willington Urban District Council and the potential danger is great. Proposals are, however, under consideration for obviating this contamination by the construction of new sewage disposal works.

RIVERS AND STREAMS.

The regular and systematic survey of waterways was commenced during the year. The first survey was in respect of the River Skerne and its tributaries on the 15th to 17th September, 1937. Such surveys provide information regarding the nature and source of each polluting agent and so make possible an attempt to secure the removal of the contamination. As a result of the data acquired, during the Skerne survey particular attention is being paid to trade effluents from the Fishburn, Dene Bridge, and Thrislington collieries, and to certain sewage disposal works on the watershed. The responsible officials have been acquainted with the condition of the waterway adjacent to these places as revealed by analyses, and efforts are now being made to terminate the pollutions.

The following rivers and streams were receiving particular attention at the end of the year :—

Rivers.—Derwent, Tees, Wear and Teams.

Becks.—Crook, Rushyford, Woodham, Coxhoe, Carrs, Murton, Ingleton and Oldhouse.

Burns.—Cong, Lumley, Bishopton, Blindy and Bede.

The abatement of nuisances caused by refuse in streams proceeds steadily but slowly. In many areas the district councils have carried out, or are contemplating, the culverting-in of streams in the vicinity of property, which has done much to improve the locality and to prevent nuisance from polluted waterways.

The District Inspector of the Ministry of Agriculture and Fisheries and the Technical Adviser of the Tees Fishery Board, have continued to give advice and assistance during the year.

DRAINAGE, SEWERAGE AND SEWAGE DISPOSAL.

Much activity has been displayed by district councils during the past year in connection with works of sewerage and sewage disposal. Such works have, to a large degree, been due to the financial aid given to councils by the Commissioner for Special Areas, and in very many cases the schemes carried out were long overdue. Most of the sewage works which have been rebuilt or modernised were either obsolete or too small to accommodate the added flow which schemes to convert privies to the water-carriage system imposed. In other cases (e.g. at West Rainton) the undesirable, yet widely prevalent, practice of discharging crude sewage into an open stream, has been terminated by the building of new works. In one instance (Sunniside scheme of the Whickham Urban District Council) proposals have been adopted for the abandonment of an obsolete works and in lieu the discharging of untreated sewage direct to the River Tyne.

Jointly with the erection of new disposal works the re-sewering of areas and kindred works, such as the abolition of cesspools, has proceeded. A feature of quite recent development, accelerated by

the review of County districts, is the movement for adjacent authorities to co-operate in sewage schemes (e.g. the joint scheme of the Brandon Urban and Lanchester Rural district councils at the Esh Winning works ; and the projected joint scheme in the Stanley area). This tendency greatly facilitates the abandonment of smaller, and often only moderately effective works, and the drainage of comparatively extensive areas to much larger works. Some indication of the extent of sanitary engineering schemes operating in the county can be gained from the following particulars.

New sewage disposal works have been completed at :—

Brasside, Hedley Hill, Langley Park, Quebec, and Esh Winning and Waterhouses (joint scheme).

Works of sewerage and sewage disposal are in progress at :—

Billingham Beck Valley, Bishop Auckland, Browney, Crimdon Dene, Dalton-le-Dale, Deaf Hill, Dipton, East Castle, Fleming Field, Glebe, Greencroft, Haswell Moor, Hawthorne, Hett Village, Pear Tree, Pot-and-Glass, Rowlands Gill, Seaton Lane, Sedgeleth, Shildon, South Medomsley pumping scheme, Spennymoor, Stonebridge, Thornley, West Kyo, West Stanley and Wingate-to-the-Sea.

Ministry of Health Inquiries have been held into the following schemes :—

Sunderland C.B.—Works of sewerage, etc., at Seaburn, estimated cost £24,139.*

Durham M.B.—Sewage disposal works at Pot-and-Glass, estimated cost £4,600.*

Jarrow M.B.—Works of sewerage at Low Simonside, estimated cost £7,150.

Barnard Castle U.D.—Works of sewerage and sewage disposal in the township, estimated cost £8,770.

Blaydon U.D.—Land purchase for tipping, estimated cost £4,925.*

Consett U.D.—Joint sewage disposal works, etc., for Consett, Leadgate and Benfieldside, estimated cost £119,000.

Houghton-le-Spring U.D.—Works of sewerage, etc., at South Biddick, estimated cost £12,500.

Whickham U.D.—Works of sewerage at Sunnyside, estimated cost £35,870.* Improvements to Ellison Road outfall sewer, estimated cost £7,622.

Barnard Castle R.D.—Works of sewerage and sewage disposal for (a) Evenwood and Barony, estimated cost £10,850 ; (b) Lynesack and Softley, estimated cost £20,000 ; and (c) Woodland, estimated cost £4,800.

Chester-le-Street R.D.—Works of sewerage, etc., at Sacriston and Charlaw, estimated cost £24,535.*

Durham R.D.—Works of sewerage, etc., at (a) Bowburn, estimated cost £8,260 ; (b) Broom, estimated cost £4,040 ; (c) Cassop Colliery, estimated cost £2,170 ; (d) Shincliffe Colliery, estimated cost £2,760 ; (e) West Rainton, estimated cost £15,000 ; and (f) Witton Gilbert, estimated cost £5,900. Also an informal inspection at Heather View, Littletown, estimated cost of scheme, £500.

Lanchester R.D.—Works of sewerage and sewage disposal at (a) Cornsay, estimated cost £717* ; and (b) Pear Tree, estimated cost £488.*

Sedgefield R.D.—Works of sewerage, etc., at Fishburn, estimated cost £6,907.*

Stockton R.D.—Works of sewerage, etc., at Carlton, estimated cost £5,376.

* Sanction has been received for these schemes.

Private sewage works and sewers.—Several unsatisfactory effluents have been traced during the past twelve months from cesspools and private works, which drained into ditches. Pollutions of this type are most difficult to trace with certainty, but the owners of such works have in almost every instance shown themselves ready to effect improvements when this need has been brought to their notice. In most areas of this county, with perhaps the exception of the sparsely-populated rural districts to the west, the tendency is for the local authorities to make cesspools and similar private works unnecessary by the construction of larger sewage disposal works and the extension of their sewerage network to include properties hitherto independent of it.

Pit Head Baths.—The effluents from these baths are such that, in many cases, district surveyors request the construction of equalising-tanks to secure a regulated flow and to prevent chokage of filters, etc., at the sewage disposal works.

BURNING PIT HEAPS.

Careful observation has been kept upon these, most of which are in the eastern half of the county, and where necessary the owners have been approached with a view to keeping in check possible nuisances. It will be appreciated that in the past no attention whatever seems to have been paid to this matter, and the spoils from collieries have been tipped at a convenient place, irrespective of whether spontaneous combustion of the materials left would occur or not. The problem of extinguishing heaps which have taken fire is not one easy of solution. Indeed no general method is universally applicable and means have to be devised which meet the particular needs at each place.

CLOSET ACCOMMODATION.

Much activity is in evidence in all parts of the county for the conversion of ashpits and privy middens to the water-carriage system. Large schemes are in course of completion and several others have recently been sanctioned.

The following table gives the number and type of convenience in each sanitary district of the county in 1937, and in addition information is given in the table for the year 1937 as to the conversions of ashpit privies into ash-closets or water-closets, and of ash-closets into water-closets.

Table 25.

District.	Total number in District.			Ashpit Privies converted into		Ash-Closets converted into Water-Closets.
	Water-Closets.	Ash-Closets.	Ashpit Privies.	Ash-Closets.	Water-Closets.	
URBAN.						
Durham	5,083	98	51	—	25	80
aHartlepool	—	—	—	—	—	—
Jarrow	7,711	22	—	—	—	—
Stockton	18,880	27	5	—	1	—
Barnard Castle.....	1,289	23	5	—	—	—
Billingham	5,380	245	—	—	—	—
Bishop Auckland.....	5,094	5,407	323	—	6	64
Blaydon	7,075	605	255	—	—	1
Boldon	4,669	92	—	—	—	6
Brandon & Byshottles..	2,371	2,982	65	—	—	40
Chester-le-Street	5,935	978	17	—	—	31
Consett	8,847	738	589	—	45	35
Crook & Willington	3,485	4,667	168	—	—	289
Felling.....	5,912	178	2	—	—	—
Hebburn	5,582	8	2	—	—	—
Hetton	2,596	2,666	43	—	—	266
Houghton-le-Spring	5,178	2,515	36	—	—	724
Ryton	3,675	130	26	—	1	—
Seaham.....	6,929	—	12	—	—	—
Schildon	3,457	593	—	—	3	1,172
Spennymoor	1,170	3,901	229	—	—	50
Stanley	10,332	2,440	450	—	3	201
Tow Law.....	125	555	22	—	—	—
Washington	4,664	90	2	—	—	2
Whickham	6,221	353	42	—	—	2
RURAL						
Barnard Castle.....	975	2,990	1,057	—	—	77
Chester-le-Street	8,739	2,727	512	—	—	456
Darlington	1,058	742	722	1	26	17
Durham	4,395	3,930	195	3	—	304
Easington	21,726	941	—	—	—	—
Lanchester	2,883	891	377	—	5	2
Sedgefield	7,126	915	238	—	129	260
Stockton	1,180	1,011	107	42	27	—
Sunderland	5,374	669	58	5	26	712
Weardale	989	241	391	—	96	10

(a) Water-closet town

HOUSING.

Table 26.

Statement as to the position of Housing schemes in the Administrative County of Durham on the 31st December, 1937 :—

(Figures supplied by the respective District Councils).

Sanitary District.	Number of houses in course of construction.		Number of houses completed since 1920.	
	By Private Persons.	By the Local Authority.	By Private Persons.	By the Local Authority.
URBAN.				
Durham	—	333	82	684
Hartlepool	6	75	72	487
Jarrow	6	139	102	1,263
Stockton	155	68	2,880	3,293
Barnard Castle	9	—	192	79
Billingham	16	40	2,714	1,190
Bishop Auckland	23	—	576	199
Blaydon	26	109	986	1,397
Boldon	37	—	1,738	725
Brandon and Byshottles	3	29	55	589
Chester-le-Street	37	100	1,034	1,118
Consett	53	100	1,445	1,513
Crook and Willington	15	154	248	743
Felling... ..	22	537	361	1,709
Hebburn	106	92	438	988
Hetton	9	53	297	1,090
Houghton-le-Spring	25	186	725	1,597
Ryton	23	162	477	596
Seaham	2	69	582	1,928
Sildon	10	26	111	126
Spennymoor	116	—	373	74
Stanley	13	123	761	2,219
Tow Law	—	36	17	50
Washington	8	60	234	806
Whickham	57	—	1,260	1,320
RURAL.				
Barnard Castle	10	—	157	41
Chester-le-Street	21	293	1,020	2,275
Darlington	42	—	485	72
Durham	203	331	1,185	1,728
Easington	543	335	5,579	3,702
Lanchester	10	176	1,008	1,004
Sedgefield	51	229	875	1,200
Stockton	33	—	315	25
Sunderland	18	150	240	956
Weardale	15	—	112	44
Totals	1,723	4,005	28,736	36,830

WHOLETIME MEDICAL OFFICERS OF HEALTH.

The County of Durham Review Order, 1937, came into operation on the 1st April, and in consequence it became possible to commence holding consultations with the councils of the county districts with a view to the formulation of arrangements under Section 111 of the Local Government Act, 1933, for securing that every medical officer of health subsequently appointed for a county district shall be restricted from engaging in private practice. At the end of the year these consultations were nearing completion.

LOCAL HEALTH SERVICES.

Information at Post Offices.

In accordance with the suggestion contained in Circular 1643 from the Minister of Health, dated 30th August, a booklet was prepared with the object of supplying to the public in the briefest form information regarding the health services available in this administrative county as provided by the County Council. Copies of this booklet were distributed to all the post offices in the county as well as to all medical practitioners, medical officers of health, health visitors, midwives, district nursing associations, police (100), and all the clinics and institutions of the County Council.

MILK AND DAIRIES ACTS AND ORDERS.

The approximate number of registered dairy herds in the administrative county during the year was 3,010 and the estimated number of cows producing milk was 31,549. The medical officers of health and sanitary inspectors of the urban and rural districts throughout the administrative county continued to co-operate with the officers of the County Council in the campaign to provide the community with a clean milk supply. They have kindly forwarded to this Department copies of the laboratory reports of the bacteriological examinations of samples of non-designated milk taken in their districts so that conjoint action could be taken to improve unsatisfactory milk supplies.

In 33 cases bulk samples of milk taken by local authorities were reported under the Milk and Dairies (Consolidation) Act, 1915, to contain tubercle bacilli. Investigations by the veterinary officers

into the origin of tubercle bacilli in these samples necessitated visits to 33 farms and in 27 cases 32 tuberculous cows were detected and slaughtered. These are included in the total number of animals slaughtered under the Tuberculosis Order, 1925. Upon completion of these investigations bulk samples of milk were taken from each herd, the final results showing the milk in all cases to be free from tubercle bacilli.

Throughout the year the veterinary officers paid 5,680 visits to farms under the Milk and Dairies Orders, which involved the examination of 67,403 animals. These inspections resulted in the slaughter of 261 tuberculous animals, which are included in the total number shown as having been dealt with under the Tuberculosis Order. 1,110 cows were found to be affected with mastitis or some other pathological condition.

Under the Tuberculosis Order, 1925, the total number of animals slaughtered during the year on account of suspected tuberculosis was 384 and it was found on post-mortem examination that 130 had tuberculosis of the udder, 9 were suffering from tuberculous emaciation, and 245 were proved to be otherwise affected with tuberculosis.

The county inspectors under the Food and Drugs Act continued to take samples of milk for bacteriological examination in accordance with the Milk and Dairies (Consolidation) Act, 1915, and during the year 273 samples were taken. Of these samples 12 were found to contain tubercle bacilli, equal to 4.4 per cent.

The following is a summary of the licences, as on 31st December, 1937, issued for the production and sale of designated milk under the Milk (Special Designations) Order, 1936 :—

					<i>Tuberculin</i>	
					<i>Tested.</i>	<i>Accredited.</i>
Establishments at which the milk was						
bottled	...	...	...	...	28	101
Establishments at which the milk was						
not bottled...	...	...	...	...	15	256
					—	—
Totals	...	...	...	...	43	357
					—	—

The number of licences issued as at 31st December, 1936, was as follows :—

					<i>Tuberculin</i>	
					<i>Tested.</i>	<i>Accredited.</i>
Establishments at which the milk was						
bottled	...	...	...	...	20	70
Establishments at which the milk was						
not bottled	...	...	...	...	3	193
Totals					23	263

It will therefore be seen that the number of designated licensees was increased by 114 during the year.

A total of 716 samples of milk was collected from the licensed herds by an officer of the County Health Department. As far as possible the samples were taken during each quarter of the year and, with few exceptions, the visit was made to the farm at the time of the morning milking.

Of 520 initial samples collected 400 (or 77%) complied with the prescribed conditions. In relation to the 120 samples (or 23%) which did not comply with the prescribed conditions on first examination, 196 repeat samples were examined, all of which ultimately complied with the prescribed conditions.

INCIDENCE OF TUBERCLE BACILLI IN MILK SAMPLES. BIOLOGICAL EXAMINATIONS.

Table 27.

Type of Milk.	No. of samples examined.	Positive.	Negative.
Tuberculin Tested ...	5	1	4
Pasteurised ...	7	Nil.	7
Accredited ...	184	4	180
Non-designated ...	273	12	261

Of the above samples 196 were collected by the sampling officer of the County Health Department and 273 by the county food and drugs inspectors. It will be observed that in 2.6% of the designated milk samples tubercle bacilli were found, while 4.4% of the non-designated milk samples were reported positive.

In 1936 the incidence of tubercle in samples of designated milk was 2.3% and in the non-designated milk 1.4%.

In relation to the foregoing table, it is of interest to record the results of double intradermal tuberculin tests performed during the year in respect of 58 herds in the county area which were previously untested. The statistics, which were kindly supplied to me by the Chief Veterinary Officer, show the results of tests performed on herds classified as follows :—

“ *Flying* ” Herds (21).—These were herds built up by cows purchased in the market or from other farms. A total of 866 animals was tested and 365 (or 42.1%) reacted to the test.

“ *Mixed* ” Herds (19).—In these herds approximately 75% of the cows were home-bred, and the remainder had been purchased in the market or elsewhere. The number of animals tested was 973, and 285 (or 29.3%) were found to react.

“ *Breeding* ” Herds (18).—These herds consisted of adult cows and young stock which had been home-bred, and of 744 animals tested only 27 (or 3.6%) were found to react.

During the year under review the order of selection of milk supplied to schools under the control of the Durham County Education Authority remained as follows :—

1. Tuberculin tested milk.
2. Pasteurised milk, which, previous to pasteurisation, has in the non-bulked stage reached the standard of accredited milk.
3. Accredited milk.

Samples of the milk supplied to schools were collected from time to time by the sampling officer of the County Health Department and were submitted to bacteriological examination or chemical analysis. The pasteurising establishments were also visited periodically for sampling purposes.

FOOD AND DRUGS ACT.

The County Council administers this Act for the whole of the administrative county with the exception of the Municipal Borough of Hartlepool. The local officials of Jarrow and Stockton are responsible for the taking of samples in these municipal boroughs but they are submitted to the County Analyst for analysis.

During the year 2,496 samples were analysed with the following results :—

No. of samples found to be genuine	...	...	...	2,215
No. of genuine samples below standard	...	...	...	68
No. of samples of doubtful quality	...	...	...	3
No. of samples adulterated or below standard	...	...	...	131
No. of samples taken as Reference Samples	...	...	...	12
No. of samples taken as Appeal Samples...	...	...	...	67

Genuine.

Almonds, Ground	...	...	34	Cascara Sagrada Tablets	...	2
Almond Oil	...	...	7	Cassia, Ground	...	5
Ammoniated Quinine Tablets	...	...	1	Castor Oil	...	7
Aniseed, Compound Balsam of	...	...	2	Castor Oil and Syrup of	...	
Apples...	...	...	7	Rhubarb	...	1
Arrowroot, Ground	...	...	3	Cayenne Pepper	...	2
Aspirin Tablets	...	...	15	Celery Pills	...	1
Bacon and Ham	...	...	21	Cheese...	...	17
Baking Powder	...	...	13	Cheese, Cream	...	1
Barley, Pearl	...	...	6	Chemical Food	...	2
Beans, Tinned	...	...	1	Cherries, Glace	...	3
Beans and Pork, Tinned	...	...	1	Chillie Paste	...	1
Bicarbonate of Soda...	...	...	2	Chocolate	...	1
Biscuits, Chocolate	...	...	7	Chocolate, Breakfast	...	2
Bismuth Lozenge Compound	...	...	4	Chocolate Powder	...	3
Bismuthated Magnesia Powder	...	...	1	Chocolate Pudding Mixture.	...	1
Bismuthated Magnesia Tablets	...	...	4	Chutney	...	1
Bismuth and Magnesia	...	...	1	Cinnamon, Ground	...	4
Black Beer and Ruby Wine,	...	...		Cinnamon and Quinine Mix-	...	
Non-alcoholic	...	...	1	ture	...	1
Black Pudding	...	...	19	Cocktail, Non-alcoholic	...	1
Blanc Mange Powder	...	...	1	Cocoa	...	10
Blood and Stomach Pills	...	...	1	Cocoa, Malted Milk and Eggs	...	2
Borax	...	...	1	Cocoa, Milk	...	1
Boric Ointment	...	...	1	Cocoanut, Desiccated	...	1
Butter...	...	...	93	Cod Liver Oil...	...	16
Cabbage, Pickled	...	...	1	Cod Liver Oil and Malt Extract	...	1
Café au Lait	...	...	1	Coffee	...	31
Cake	...	...	7	Coffee and Chicory Extract...	...	2
Camphorated Oil	...	...	21	Coffee Essence with Chicory	...	
Candied Peel	...	...	7	and Sugar	...	1
Cane Syrup	...	...	1	Cornflour	...	3
Carron Oil	...	...	1	Cream	...	19

Genuine.

Cream, Tinned	4	Lard, Compound	1
Cream of Tartar	7	Laxative Tablets	1
Curry Powder	1	Lemon Barley Water, Con-	
Custard Powder	14	centrated	4
Dripping	18	Lemon Cheese and Curd ...	10
Egg Substitute Powder ...	1	Lemonade Crystals	1
Epsom Salts	2	Lemon Squash	1
Eucalyptus Oil	2	Lime Juice and Soda Powder	1
Fever Cure	1	Liquorice Pellets	1
Figs, Syrup of	6	Liquorice Powder, Compound	6
Fish Cakes	9	Lung Mixture	1
Fish Paste and Roll... ..	5	Mace, Ground	6
Fish, Tinned	13	Magnesia, Citrate	1
Flour, Self-raising	4	Magnesia, Cream of	2
Friars Balsom	1	Magnesia, Fluid	1
Fruit, Bottled	1	Malt, Milk and Eggs, with	
Fruit, Dried	18	Cocoa	1
Fruit, Tinned... ..	14	Margarine	15
Fruit Wine, Non-alcoholic ...	2	Meat, Minced... ..	5
Fullers Earth... ..	1	Meat Paste and Roll	12
Gelatin	3	Meat, Potted and Tinned ...	59
Ginger Beer Powder... ..	1	Meat Pudding	3
Ginger, Extract	1	Meat and Vegetables, Tinned	1
Ginger, Ground	10	Menthol and Eucalyptus	
Ginger Wine Essence	2	Lozenges	1
Ginger Wine, Non-alcoholic	6	Milk	833
Glauber's Salt	4	Milk, Dried, Full Cream ...	8
Glucose Food Beverage	1	Milk, Dried, Modified	2
Glycerine	4	Milk, Evaporated	6
Glycerine, Lemon and Honey	6	Milk, Full Cream, Sweetened	
Glycerine and Lemon, with		Condensed	3
Ipecac	3	Milk, Machine Skimmed Sweet-	
Glycerine, Lemon and Honey,		ened Condensed	7
with Ipecac	1	Milk, Pasteurised	69
Glycerine of Thymol	3	Milk, Powder... ..	1
Golden Syrup	3	Milk, Separated	2
Grape Fruit Crush	1	Milk, Sterilised	46
Grape Fruit Crystals	1	Mincemeat	9
Grape Juice, Concentrated ...	2	Mint, Dried	1
Gregory's Powder	9	Mint Sauce Jelly	2
Halibut Liver Oil Capsules...	1	Mustard Compound	1
Halibut Liver Oil Emulsion	1	Mustard Sauce	2
Health Salt	9	Nutmegs, Ground	7
Honey... ..	7	Olive Oil	28
Horse Radish Cream	1	Orange Barley	1
Hydrogen Peroxide	13	Orange Squash	1
Indian Brandy	1	Paraffin, Medicinal	10
Iodine, Glycerine and Thymol		Peas Pudding	1
Lozenges	1	Peas, Tinned	3
Iodine, Tincture of	3	Pepper	23
Iodised Throat Lozenges ...	1	Pepsin Tablets	2
Jam, Jelly and Marmalade...	47	Piccallili	1
Jelly Crystals... ..	2	Pickles	4
Juniper Pills, Compound ...	1	Polony and Savaloy	19
Lard	44	Potato Flour	1

Genuine.

Pudding, Prepared	1	Stomach Powder and Tablets	2
Pudding, Christmas	3	Suet	15
Quinine, Orange and Cinna- mon... ..	1	Sugar	3
Quinine and Phosphorus Tablets	1	Sugar, Demarara	2
Raisins and Sultanas	10	Sugar, Icing	6
Raspberry Vinegar	1	Sulphur and Cream of Tartar Lozenges	2
Rennet, Essence of	1	Sweets... ..	6
Rhubarb Root, Ground	3	Table Jelly	8
Rice	2	Tapioca	1
Rice, Ground... ..	14	Tea	46
Sage	1	Tomato Paste	1
Sage and Onion Stuffing	1	Tomatoes, Tinned	2
Sago	1	Treacle, Black	1
Salad Cream	1	Tripe	1
Sauce, Relish and Ketchup... ..	8	Vermicelli, Egg	1
Sausage	51	Vinegar	8
Sausage, Luncheon	5	Welsh Rarebit	1
Sausage, Preserved	18	Wine, Non-alcoholic, Fruit- Flavoured	1
Savoury Ducks	1	Witch Hazel Solution	1
Sherry, British	1	Yeast	4
Soda Mint Tablets	1	Yeast Tablets	2
Spice, Mixed	2		

Genuine Samples below Standard.

New Milk	68
-----------------	----

Samples of Doubtful Quality.

Ironets	1
Meat and Malt Wine	1
Non-alcoholic Blackcurrant Wine... ..	1

Adulterated or Below Standard.

Almonds, Ground	1	Fruit Laxatives	2
Apples, Jonathan	1	Fruit Wine, Non-alcoholic	3
Apricot Jam	7	Glycerine, Lemon and Ipecac Mixture	1
Beef Sausage	2	Margarine	1
Bismuthated Magnesia Ovals	3	Milk, Full Cream, Dried	1
Butter... ..	2	New Milk	79
Camphorated Oil	1	Milk, Pasteurised	1
Cheese de Luxe	3	Milk, Sterilised	3
Chocolate Biscuits	2	Parrish's Chemical Food	1
Chocolate Caramels	1	Peroxide of Hydrogen	5
Cod Liver Oil... ..	1	Sausage	5
Cream Castles	1	Sultanas	1
Cream of Magnesia	1	Thyme	1
Dripping	1		

Of the 12 Reference Samples, 8 were found to be below standard, while of the 67 Appeal Samples, 30 were found to be below standard.

It will be seen, therefore, from the above statement that during the year 1,180 samples of milk were taken for analysis under the Act, of which 193, equal to 16 per cent., were found to be not genuine or below standard.

Of the samples taken, legal proceedings were instituted in 10 cases.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The report and draft scheme for the provision of hospital accommodation for the treatment of infectious diseases, including smallpox, within the County of Durham under Section 63, of the Local Government Act, 1929, was submitted to the County Council in July. The scheme was subsequently forwarded to the Minister of Health for approval, but before giving approval it will be necessary for the Minister to consider any representations which may be made by the hospital authorities concerned. At the time of writing this report representations are being made by the authorities concerned.

The following tables give particulars as to cases of infectious diseases notified during the year under the Infectious Diseases (Notification) Acts, 1889, and other various regulations and orders, the mortality from the principal infectious diseases during the past ten years, cases admitted to isolation hospitals, and schools closed owing to the prevalence of infectious diseases.

INFECTIOUS DISEASE (NOTIFICATION) ACT.
Weekly Statement of notifiable diseases reported during 1937.

Table 28.

Week ended.				Smallpox.	Scarlet Fever.	Diphtheria.	Enteric Fever.	†Puerperal Fever.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Erysipelas.	Pneumonia.	Malaria.	Dysentery.	Acute Polio-Encephalitis.	Cerebro Spinal Fever.	Encephalitis Lethargica.	Acute Polio-Myelitis.	*Chickenpox.
Jan.	9	..	..	—	80	87	—	1	5	3	13	27	—	—	—	2	—	—	3
"	16	..	..	—	52	87	1	1	1	1	12	49	—	—	—	—	—	—	2
"	23	..	..	—	64	92	1	—	3	3	8	50	—	—	—	—	—	—	—
"	30	..	..	—	61	82	—	—	1	1	20	81	—	—	—	—	—	—	—
Feb.	6	..	..	—	61	61	—	1	2	1	14	66	—	—	—	1	1	—	1
"	13	..	..	—	46	77	—	—	1	—	5	72	—	—	—	—	—	—	5
"	20	..	..	—	69	48	—	—	—	1	10	63	—	—	—	—	—	—	—
"	27	..	..	—	55	72	—	—	1	1	6	52	—	—	—	—	—	—	—
Mar.	6	..	..	—	72	54	—	—	3	3	8	41	—	—	—	1	—	—	2
"	13	..	..	—	59	48	—	—	4	—	5	66	—	—	—	—	—	—	4
"	20	..	..	—	54	58	—	1	2	—	15	29	—	—	—	2	—	—	1
"	27	..	..	—	50	68	—	—	1	3	14	29	—	—	—	—	—	—	6
April	3	..	..	—	69	75	—	1	2	1	11	30	—	—	—	—	—	—	1
"	10	..	..	—	47	63	—	2	3	2	6	21	—	—	—	1	—	—	3
"	17	..	..	—	50	58	—	—	2	1	15	33	—	—	—	—	—	—	2
"	24	..	..	—	64	77	—	—	2	1	3	26	—	—	—	—	—	—	4
May	1	..	..	—	72	58	—	—	—	2	4	24	—	—	—	2	—	—	1
"	8	..	..	—	60	40	—	1	1	3	4	28	—	—	—	—	—	—	2
"	15	..	..	—	34	31	—	—	2	2	4	31	—	—	—	—	—	—	—
"	22	..	..	—	64	53	2	2	4	2	5	26	—	3	—	—	—	—	4
"	29	..	..	—	52	36	1	—	2	2	8	21	—	1	—	1	—	1	4
June	5	..	..	—	51	45	1	—	2	3	5	19	—	—	—	—	—	—	9
"	12	..	..	—	69	52	1	—	1	1	11	35	—	—	—	—	—	—	6
"	19	..	..	—	63	45	—	—	1	1	4	16	—	—	—	1	—	—	9
"	26	..	..	—	45	39	—	—	2	6	7	16	—	—	—	1	—	—	1
July	3	..	..	—	39	41	—	—	1	1	6	15	—	—	—	—	—	—	10
"	10	..	..	—	65	47	1	—	3	—	8	16	—	—	—	1	—	—	7
"	17	..	..	—	48	40	—	1	4	—	4	23	—	—	—	1	—	—	7
"	24	..	..	—	51	52	—	—	—	3	6	9	—	—	—	—	—	—	3
"	31	..	..	—	64	78	—	—	2	2	10	10	—	—	—	—	—	—	—
Aug.	7	..	..	—	56	50	2	3	—	3	6	11	—	1	—	1	—	—	7
"	14	..	..	—	53	70	1	—	1	2	7	14	—	—	—	—	—	—	1
"	21	..	..	—	51	45	—	—	3	4	5	12	—	—	—	3	—	—	6
"	28	..	..	—	40	61	—	1	1	1	6	12	—	—	—	—	1	—	4
Sept.	4	..	..	—	56	67	—	—	6	3	7	15	—	—	—	—	—	—	—
"	11	..	..	—	56	85	1	1	1	3	11	12	—	6	—	—	—	—	1
"	18	..	..	—	69	72	—	—	2	1	10	11	—	2	—	—	—	—	—
"	25	..	..	—	63	95	1	—	3	—	8	12	—	2	—	—	—	—	—
Oct.	2	..	..	—	78	86	—	1	2	2	5	13	—	1	—	—	—	—	—
"	9	..	..	—	58	87	—	—	3	3	6	14	—	—	—	1	—	—	—
"	16	..	..	—	72	93	—	—	2	1	10	22	—	2	1	1	—	1	—
"	23	..	..	—	99	92	1	—	3	2	10	12	—	2	—	—	—	1	—
"	30	..	..	—	71	102	—	—	2	3	13	20	—	3	—	—	—	1	—
Nov.	6	..	..	—	88	100	—	—	3	3	14	27	—	—	—	—	—	—	—
"	13	..	..	—	73	70	—	—	5	1	13	23	—	2	1	—	—	—	1
"	20	..	..	—	74	93	1	—	3	1	5	29	—	—	—	—	—	—	—
"	27	..	..	—	91	110	—	—	2	2	5	16	—	—	—	1	—	—	1
Dec.	4	..	..	—	101	124	—	—	2	1	17	30	—	1	—	—	—	—	—
"	11	..	..	—	93	100	1	—	2	3	11	27	—	—	—	—	—	—	—
"	18	..	..	—	104	71	—	—	1	2	15	22	—	—	—	1	—	—	3
"	25	..	..	—	79	63	1	—	3	—	10	37	—	1	—	1	—	—	2
Jan.	1	..	..	—	86	71	2	—	9	1	11	34	—	—	—	—	—	—	3
Totals for the Year				—	3341	3561	19	17	117	92	463	1449	—	27	2	23	2	4	126

* Not notifiable throughout the whole administrative county.

† Figures relate to the first 39 weeks of the year. Cases occurring afterwards are classed to Puerperal Pyrexia and included accordingly.

INFECTIOUS DISEASE (NOTIFICATION) ACT.

Statement showing the number of cases notified in each
Sanitary District during the year 1937.

Table 29.

	Smallpox.	Scarlet Fever.	Diphtheria.	Enteric Fever.	† Puerperal Fever.	Puerperal Pyrexia.	Ophthalmia Neonatorum.	Erysipelas.	Pneumonia.	Malaria.	Dysentery.	Acute Polio-Encephalitis.	Cerebro Spinal Fever.	Encephalitis Lethargica.	Acute Polio-Myelitis.	* Chickenpox.
URBAN DISTRICTS																
Durham Borough	—	49	94	—	1	2	1	12	6	—	—	—	4	—	—	—
Hartlepool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Borough	—	38	17	1	—	1	1	5	2	—	—	—	1	—	—	—
Jarrow Borough	—	23	25	—	—	3	1	16	125	—	—	—	—	—	—	—
Stockton Borough	—	294	128	1	1	18	6	34	69	—	—	1	4	1	—	—
† Annfield Plain ..	—	6	32	—	—	—	—	—	12	—	—	—	—	—	—	—
Barnard Castle ..	—	26	1	1	1	—	—	—	1	—	—	—	1	—	1	—
† Benfieldside ..	—	6	13	—	—	—	1	2	2	—	—	—	—	—	—	—
Billingham	—	221	69	—	—	2	1	11	38	—	—	—	—	—	—	—
Bishop Auckland	—	84	61	1	—	1	8	8	25	—	—	—	2	—	—	—
Blaydon	—	126	177	—	—	1	3	21	31	—	2	—	—	—	—	—
Boldon	—	35	45	—	—	2	1	11	21	—	—	—	—	—	1	—
Brandon and	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Byshottles ..	—	94	136	—	—	6	4	8	22	—	—	—	—	—	—	—
Chester-le-Street	—	56	36	—	—	2	1	5	45	—	—	—	—	—	—	—
Consett	—	135	157	—	—	3	1	12	27	—	3	—	—	—	—	—
† Crook	—	23	16	—	—	—	—	1	1	—	—	—	—	—	—	—
Crook & Willington	—	142	121	—	1	2	—	6	19	—	—	—	—	—	—	—
Felling	—	115	340	2	—	2	1	10	27	—	1	—	—	—	—	—
Hebburn	—	59	101	—	—	1	1	13	87	—	—	—	—	—	—	—
Hetton	—	37	24	1	2	1	1	8	58	—	—	—	—	—	—	—
Houghton-le-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spring	—	57	78	—	—	1	3	14	44	—	—	—	—	—	—	—
† Leadgate	—	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Ryton	—	37	44	1	—	—	—	4	11	—	—	—	—	—	—	—
Seaham	—	97	95	—	—	3	1	4	54	—	—	—	—	—	—	—
Sildon	—	50	70	—	—	2	8	8	23	—	—	—	1	—	—	—
Spennymoor ..	—	44	29	1	2	1	3	18	15	—	—	—	2	—	—	—
† Stanhope	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stanley	—	130	273	3	2	6	7	20	45	—	—	—	—	—	—	—
† Tanfield	—	13	25	—	—	—	1	1	6	—	—	—	—	—	—	—
Tow Law	—	60	39	—	—	1	—	1	4	—	—	—	—	—	—	—
Washington ..	—	150	28	—	1	—	—	8	8	—	—	—	—	—	—	—
Whickham	—	150	97	—	—	4	—	25	53	—	—	—	—	—	—	114
† Willington ..	—	12	5	—	—	—	—	1	2	—	—	—	—	—	—	12
RURAL DISTRICTS.																
† Auckland	—	56	60	1	—	2	1	12	19	—	—	—	2	—	—	—
Barnard Castle ..	—	59	6	2	—	1	—	2	5	—	—	—	—	1	—	—
Chester-le-Street	—	179	72	2	—	5	5	32	106	—	—	—	—	—	—	—
Darlington	—	34	21	—	—	2	—	3	12	—	—	—	—	—	—	—
Durham	—	83	342	—	2	6	1	9	31	—	—	—	1	—	—	—
Easington	—	290	391	1	3	18	12	41	144	—	—	—	4	—	—	—
† Hartlepool ..	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
† Houghton	—	18	14	—	—	—	1	3	21	—	—	—	—	—	—	—
Lanchester	—	64	111	—	1	2	1	6	28	—	—	—	—	—	—	—
Sedgefield	—	52	83	—	—	6	5	26	94	—	20	—	1	—	—	—
Stockton	—	17	4	1	—	3	2	4	15	—	—	—	—	—	—	—
Sunderland	—	76	62	—	—	3	7	30	84	—	—	—	—	—	2	—
Weardale	—	39	17	—	—	4	2	8	7	—	1	1	—	—	—	—
Administrative County	—	3341	3561	19	17	117	92	463	1449	—	27	2	23	2	4	126

* Not notifiable throughout the whole administrative county.

† Figures relate to the 3 months ended 31st March, 1937.

‡ Figures relate to the first 39 weeks of the year. Cases occurring afterwards are classed to Puerperal Pyrexia and included accordingly.

Table 30.

TABLE GIVING FOR EACH YEAR THE NUMBER OF DEATHS AND THE DEATH-RATE
FROM THE SEVEN PRINCIPAL ZYMOTIC DISEASES DURING THE TEN YEARS,

1928 TO 1937.

	1928.	1929.	1930.	1931.	1932.	1933.	1934.	1935.	1936.	1937.	Mean of 10 years.
Estimated Population ...	942,700	940,900	940,310	930,400	924,600	918,330	914,500	908,300	897,287	886,200	920,353
Smallpox ...	3	1	—	—	—	—	—	—	—	—	—
Scarlet Fever ...	11	12	17	15	16	56	86	38	44	19	31
Diphtheria ...	86	75	62	48	20	48	152	209	194	231	113
Enteric Fever ...	9	8	11	12	7	5	9	9	5	2	8
Measles ...	77	218	86	235	48	61	132	47	57	29	99
Whooping Cough	130	168	90	48	116	43	65	47	82	32	82
Diarrhoea, under 2 years ...	157	223	112	110	143	208	104	110	110	101	138
TOTAL DEATHS ...	473	705	378	468	350	421	548	460	492	414	471
Deaths per 1,000 Population ...	0.50	0.75	0.40	0.50	0.38	0.46	0.60	0.51	0.55	0.47	0.51

Table 31.
TABLE SHOWING THE NUMBER OF CASES OF CERTAIN INFECTIOUS DISEASES
NOTIFIED IN THE ADMINISTRATIVE COUNTY, 1928-1937.

	1928.	1929.	1930.	1931.	1932.	1933.	1934.	1935.	1936.	1937.	Total of 10 years, 1928-37.
Smallpox ...	1,124	473	34	2	3	—	—	—	—	—	1,636
Scarlet Fever ...	1,482	1,940	2,228	1,769	2,445	5,433	7,888	6,203	4,724	3,341	37,453
Diphtheria ...	1,647	1,360	1,231	739	568	1,100	2,214	3,188	3,201	3,561	18,809
Enteric Fever ...	42	52	68	115	76	47	159	104	44	19	726
Continued Fever	—	1	—	—	—	—	—	—	—	—	1
Puerperal Fever	58	33	55	38	33	21	41	28	26	17	350
Erysipelas ...	504	619	644	574	462	535	705	581	504	463	5,591
TOTAL ...	4,857	4,478	4,260	3,237	3,587	7,136	11,007	10,104	8,499	7,401	64,566
Attack Rate per 1,000 Living ...	5.1	4.8	4.5	3.5	3.9	7.8	12.0	11.1	9.5	8.4	7.0

Table 32.

Table giving information regarding the closure of Elementary Schools in the County Education Area during the past ten years.

Year.	Number of Schools.	Number of Departments.	Number of Departments closed.	Reasons for Closure.								
				Scarlet Fever.	Diphtheria.	Measles.	Whooping Cough.	Chicken pox.	Mumps.	Influenza.	Smallpox.	Conjunctivitis.
1928	406	660	15	3	6	6	—	—	—	—	—	—
1929	403	650	33	—	9	6	6	—	—	12	—	—
1930	405	649	12	—	—	12	—	—	—	—	—	—
1931	407	646	28	—	—	7	—	—	—	21	—	—
1932	405	640	—	—	—	—	—	—	—	—	—	—
1933	407	637	—	—	—	—	—	—	—	—	—	—
1934	408	634	1	—	—	—	—	1	—	—	—	—
1935	405	629	3	—	—	1	—	—	—	—	—	2
1936	404	626	—	—	—	—	—	—	—	—	—	—
1937	400	622	2	—	2	—	—	—	—	—	—	—

Smallpox.—The administrative county continued free from smallpox for the fifth successive year.

Scarlet Fever.—A reduction was again recorded in the number of cases of scarlet fever notified during the year, 3,341 cases being notified compared with 4,724 in 1936. The number of deaths registered during the year was 19, a reduction of 25 compared with 1936. The case mortality rate was equal to 0.57 per cent. compared with 0.93 per cent. for 1936 ; while the mortality rates per 1,000 population for these two years were 0.02 and 0.05, respectively.

Diphtheria.—An increase was again recorded in the incidence of diphtheria during the past year, 3,561 cases being notified compared with 3,201 in 1936. The figure for the past year is the highest recorded in this administrative county, the previous highest being in the year 1936. The number of deaths registered was 231 which is an increase of 37 compared with 1936 ; the death-rates per 1,000 population for these two years being 0.26 and 0.22 respectively. The notification mortality rate for 1937 was 6.50 per cent. compared with 6.06 per cent. for 1936. Throat swabs numbering 6,285, of which 22.7 per cent. were positive, were sent for bacteriological examination during the year. It will be seen from Table 29 that the disease was prevalent in practically every sanitary district in the administrative county.

Facilities for free immunisation are available in the majority of the sanitary districts in the county.

Enteric Fever.—Only 19 cases of enteric fever were notified during the year compared with 44 in the previous year. The deaths numbered 2 compared with 5 in 1936, the case mortality being equal to 10.5 per cent. and 11.4 per cent. respectively. 17 of the cases notified, equal to 89 per cent. were removed to hospital.

Measles.—The number of deaths registered as being due to measles was 29, a reduction of 28 compared with 1936. The death-rate per 1,000 population for the past year was 0.03 compared with 0.06 in the previous year. The most susceptible period both for measles and its complications is the pre-school age, and it will be seen from the following that 86 per cent. of the total deaths occurred in children under 5 years of age.—Under 6 months—2 ; 6-9 months—4 ; 9-12 months—5 ; 1-2 years—7 ; 2-5 years—7 ; 5-15 years—4.

Whooping Cough.—The number of deaths registered from whooping cough during the year was 32 compared with 82 in 1936, the death-rates per 1,000 population for these two years being 0.04 and 0.09 respectively. This disease is an important cause of child mortality, and it will be seen from the following figures that all the deaths from this disease occurred in children under 5 years of age.—Under 3 months—4 ; 3-6 months—6 ; 6-9 months—3 ; 9-12 months—3 ; 1-2 years—10 ; 2-5 years—6. With the provision of adequate isolation hospital accommodation in accordance with Section 185 of the Public Health Act, 1936, it is expected that hospital treatment will be more generally available for cases of whooping cough.

Diarrhoea and Enteritis (under 2 years of age).—The number of deaths registered during 1937 was 101, compared with 110 in 1936. The death-rates per 1,000 population for these two years were 0.11 and 0.12, respectively ; while the rates per 1,000 births registered were 6.66 and 7.09, respectively.

Influenza.—The number of deaths registered was 322, equal to a death-rate of 0.36 per 1,000 population, compared with 200 deaths, giving a death-rate of 0.22, in 1936.

MALIGNANT DISEASES (CANCER, Etc.).

The County Council has at present no institution of its own in which the surgical and radiological facilities required for the modern diagnosis and treatment of cancer are available and patients suffering from the various forms of this disease are referred to the voluntary hospitals in the county area or in the adjoining county boroughs. The hospital units in the public assistance institutions of the County Council are available for co-operative work with the voluntary hospitals, but unfortunately the majority of the "cancer" patients admitted to these units are those for whom surgical treatment is only a palliative measure.

The services available throughout the county for patients who suffer from cancer can be improved. Additional bed accommodation is required to allow of an increased admission of patients to hospitals. The extensions of the voluntary hospitals, which may be possible if grants are obtained from the Commissioner for Special Areas (Durham and Tyneside), and the development of the hospitals of local authorities, should ultimately provide adequate facilities.

No intensive publicity campaign on the subject of cancer has been undertaken by the County Health Department but there has been a steady endeavour to educate the adult public in general health. In the talks and lectures which have been given, the importance of seeking medical advice when indisposed has been stressed, so that the early detection of cancer and other diseases can be made and treatment initiated. Similar instruction has been given by medical practitioners and by district nurses. Our aim has been to educate without causing alarm.

The following are the voluntary hospitals to which patients resident in this administrative area are admitted for the diagnosis and treatment of cancer :—

- Royal Victoria Infirmary, Newcastle-on-Tyne (Radium Centre).
- Royal Infirmary, Sunderland County Borough.
- Ingham Infirmary, South Shields County Borough.
- Cameron Hospital, West Hartlepool County Borough.
- Memorial Hospital, Darlington County Borough.

Hartlepoons Hospital, Hartlepool Municipal Borough.

Stockton & Thornaby Hospital, Stockton-on-Tees Municipal Borough.

County Hospital, Durham Municipal Borough.

Richard Murray Hospital, Blackhill.

Patients are also admitted to the public assistance hospitals in the county boroughs of Gateshead and South Shields, viz., The High Teams and Harton hospitals respectively.

The following table gives comparative statistics in respect of cancer mortality for this administrative county and England and Wales for the past ten years ; while Table 34 gives the number of cancer deaths in each sanitary district tabulated to show the organs affected together with the sex and age periods.

Table 33.

YEAR.	DURHAM COUNTY.		ENGLAND AND WALES.	
	Deaths.	Death-rate.	Deaths.	Death-rate.
1928	963	1.01	56,253	1.42
1929	1,021	1.09	56,896	1.44
1930	1,027	1.09	57,883	1.46
1931	1,038	1.12	59,346	1.48
1932	1,098	1.19	60,716	1.51
1933	1,082	1.18	61,572	1.53
1934	1,130	1.24	63,263	1.56
1935	1,238	1.36	64,507	1.59
1936	1,156	1.29	66,354	1.63
1937	1,155	1.30	*	1.63

* Not yet available.

NEURO-SURGERY AND THORACIC SURGERY.

Arrangements were made during the year with the Newcastle-upon-Tyne Corporation for the admission of approved cases from the administrative county area to the Newcastle-upon-Tyne General

Deaths from cancer tabulated to show the organs affected, sex and age periods.

Table 34.

District.	Deaths at subjoined ages.					Buccal Cavity.		Pharynx Oeso- phagus, Stomach, Liver and Annexa.		Peri- toneum, Intes- tines and Rectum.		Fe- male Geni- tal Or- gans.	Breast.		Skin.		Other or unspeci- fied Organs.		Totals.	
	0- 25	25- 45	45- 65	65- 75	75 & Up.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.
URBAN DISTRICTS.																				
Durham	—	4	14	11	5	2	1	8	2	8	1	4	—	5	—	—	2	1	20	14
Hartlepool	—	8	11	10	2	1	—	5	5	1	3	11	—	1	—	—	4	—	11	20
Jarrow	—	4	23	27	7	4	1	7	10	12	7	8	—	1	—	—	10	1	33	28
Stockton... ..	—	9	37	18	18	5	—	15	7	13	13	13	—	4	—	1	7	4	40	42
Barnard Castle	—	—	3	1	6	—	1	—	2	2	3	—	—	1	—	—	1	—	3	7
Billingham	—	2	5	2	3	2	—	1	1	2	1	2	—	—	—	—	1	2	6	6
Bishop Auckland	—	6	20	13	7	2	1	5	6	1	5	6	—	3	3	—	11	3	22	24
Blaydon	—	3	15	17	6	4	1	14	5	2	6	6	—	1	—	1	—	1	20	21
Boldon	—	3	12	7	4	—	—	3	8	1	1	5	—	3	1	—	3	1	8	18
Brandon and Byshottles	—	3	12	5	9	—	1	10	4	6	1	1	—	1	—	—	2	3	18	11
Chester-le-Street	—	1	13	4	3	—	—	4	1	4	4	1	—	3	—	—	2	2	10	11
Consett	—	3	18	20	8	—	—	6	9	6	6	8	—	3	1	—	5	5	18	31
Crook and Willington	—	3	19	12	9	3	—	8	5	4	7	5	—	3	1	—	7	—	23	20
Felling	1	2	15	12	5	3	1	5	3	7	—	4	—	1	1	—	6	4	22	13
Hebburn... ..	1	5	15	10	6	1	—	9	6	5	1	4	—	1	—	—	7	3	22	15
Hetton	—	2	10	7	8	1	—	5	3	4	8	4	—	—	—	—	2	—	12	15
Houghton-le-Spring	1	2	14	13	4	3	—	2	2	8	5	2	—	4	1	1	3	3	17	17
Ryton	—	1	5	5	—	—	—	2	1	3	1	1	—	1	—	—	1	1	6	5
Seaham	—	—	19	9	4	—	—	9	6	5	1	5	—	3	1	1	1	—	16	16
Sildon	—	2	8	4	3	—	—	3	4	1	—	1	—	4	—	—	4	—	8	9
Spennymoor	2	—	15	6	5	—	—	7	3	3	5	3	—	1	—	—	4	2	14	14
Stanley	1	4	33	24	11	3	—	16	12	10	5	8	—	4	—	1	12	2	41	32
Tow Law	—	2	2	1	—	—	—	—	2	—	—	1	—	1	—	—	—	1	—	5
Washington	1	2	7	9	5	1	—	6	5	3	3	2	—	2	—	—	1	1	11	13
Whickham	—	1	11	12	5	1	—	6	3	6	5	1	—	3	—	—	4	—	17	12
Totals (U.D's.)	7	72	356	259	143	36	7	156	115	117	92	106	—	54	9	5	100	40	418	419
RURAL DISTRICTS.																				
Barnard Castle	—	—	8	7	10	1	—	8	1	4	4	1	—	—	—	—	4	2	17	8
Chester-le-Street	2	2	25	11	7	—	—	15	9	5	5	6	—	2	1	1	—	3	21	26
Darlington	—	—	7	2	1	1	—	1	2	2	1	—	—	1	—	—	1	1	5	5
Durham	—	4	14	11	1	—	1	11	5	4	2	2	—	2	—	—	3	—	18	12
Easington	2	8	32	32	11	1	—	23	8	14	11	9	—	4	2	—	11	2	51	34
Lanchester	—	2	9	8	—	—	1	4	3	—	—	2	—	4	—	—	5	—	9	10
Sedgefield	2	6	14	13	5	3	3	9	8	3	4	5	—	1	2	—	2	—	19	21
Stockton... ..	1	2	6	2	5	1	—	1	1	6	1	2	—	1	—	—	3	—	11	5
Sunderland	—	4	14	10	5	—	1	6	6	3	2	5	—	2	2	1	2	3	13	20
Weardale	—	1	5	2	5	—	—	4	—	—	4	—	—	2	—	—	1	2	5	8
All Urban Districts	7	72	356	259	143	36	7	156	115	117	92	106	—	54	9	5	100	40	418	419
Rural Districts	7	29	134	98	50	7	6	82	43	41	34	32	—	19	7	2	32	13	169	149
ADMINISTRATIVE COUNTY	14	101	490	357	193	43	13	238	158	158	126	138	—	73	16	7	132	53	587	568

Hospital for treatment in the departments of Neuro-surgery and Thoracic surgery, and a scale of charges for these services was agreed upon. Since the scheme was approved eight cases have been admitted for neuro-surgery and the same number for thoracic surgery.

Similar arrangements exist with the Sunderland Royal Infirmary but no cases were admitted to this institution during the year.

BLIND PERSONS.

The Sunderland and Durham County Incorporated Royal Institution for the Blind, and the Cleveland and South Durham Institute for the Blind continue to carry out the provisions of the Blind Persons Act, 1920, on behalf of the County Council of Durham, according to the arrangements made in 1924 by the County Council with these two voluntary associations for the blind.

The number of blind persons on the County Council's register on the 31st December, 1937, was 1,896, which represents a decrease of 10 on the total as at 31st December, 1936.

During the year 514 eye examinations were carried out by the three part-time ophthalmologists appointed by the County Council. These are classified as follows :—

First examinations.

Number certified ' blind ' ...	...	...	269
Number certified ' not blind ' ...	...	...	155

Re-examinations.

Number certified ' blind ' ...	...	...	49
Number certified ' not blind ' ...	...	...	41

Total number of examinations	514
----------------------------------	-----	-----	-----

During the year 30 persons received treatment under the County Council's scheme for the prevention of blindness, and spectacles were supplied in 26 cases.

The duties and responsibilities of education authorities for the elementary education of blind persons between the ages of 5 and 16 years, and for the higher education (training of the blind) of those over the age of 16 years are not affected by the Blind Persons Act, 1920.

At present 23 blind persons over the age of 16 years are being trained in trades suitable for the blind, and, if they attain the required standard of proficiency, they will pass in due course to the workshops of the Sunderland and Durham County Incorporated Royal Institution for the Blind, and the Cleveland and South Durham Institute for the Blind for employment. In past years it has not been possible to obtain employment immediately for all blind persons who have completed their training and have passed the examination qualifying them for employment in the workshops of the institutions. In every case, before a course of technical training is approved, an effort is made to secure that employment will be available on the completion of training. The number of trained persons who are unemployed is steadily diminishing and it is hoped that in time a balance will be established between the number of persons completing training and the number of vacancies available in the workshops. There are at present 53 workshop employees and 8 home workers in respect of whom the County Council makes grants to the institutions for the blind mentioned above.

The County Council also makes grants to the Northern Branch of the National Library for the Blind in respect of 3 Braille copyists.

During the year £28,858 (an average of £555 per week) was expended in grants to registered blind persons under the County Council's regulations for the provision of domiciliary assistance to unemployable and other necessitous blind persons. The grants are paid by cheque by the County Council at fortnightly intervals. On the 31st December, 1937, 1,094 blind persons were in receipt of domiciliary financial assistance—41 more than on the corresponding date in 1936.

Fourteen home teachers are employed by the institutions, who during the year paid 25,943 visits to the homes of blind persons in the county.

Social centres for the blind have been maintained by the two institutions for the blind at Sunderland, Jarrow, Seaham Harbour, Durham, Chester-le-Street and Middlesbrough.

OPHTHALMIA NEONATORUM.

Table 35.

Cases.				Vision un- impaired.	Vision impaired.	Total Blindness.	Removed, No Report.	Deaths.
Notified M. & C.W. Area.	Treated.							
	At home.	Hospital						
84	58	In- p'tient	Out- p'tient	83	Nil.	Nil.	1	Nil.
		21	5					

The health visitors are instructed to make careful enquiries into all cases of inflammation of the eyes of newly-born children, and during the year, in addition to the 84 cases notified as ophthalmia neonatorum, they reported 446 such cases to which they paid 1,403 home visits. The following details have been abstracted regarding these cases :—

Treatment.

No. of cases treated by own doctor	...	254
No. of cases treated by own doctor and district nurse	... ..	11
No special treatment except bathing with boracic lotion	... ..	181

Hospital Treatment.

In-patients	... ..	—
Out-patients	... ..	14

Results.

Eyes cleared up satisfactorily	...	426
Died, Eyes clear at time of death	...	3
Removed, no report	... ..	1
Under treatment at the end of the year		16

The arrangements made by the County Council for the in-patient hospital treatment of these conditions at the Langley Park Isolation Hospital; Isolation Hospital, East Boldon; Howbeck Infirmary, West Hartlepool; and the Norman's Riding Isolation Hospital, Blaydon, were continued throughout the year.

TUBERCULOSIS.

MEDICAL STAFF.

There has been no change in the medical staff during the year.

Dr. Allan, the District Tuberculosis Officer for the Central District was absent from duty, owing to illness, from the 1st January to the 5th April, and a locum had to be engaged during his absence.

DISPENSARY DISTRICTS.

There was no alteration in the dispensary districts during the year.

RESIDENTIAL INSTITUTIONS.

HOLYWOOD HALL SANATORIUM.—This sanatorium is used for the medical and surgical treatment of male adult patients. The total number of beds available is 183, and of these 148 are devoted to pulmonary tuberculosis, the remainder being used for the non-pulmonary type of the disease.

During the year 325 patients were admitted and 318 discharged. The average duration of stay was 210.81 days.

X-Ray Department.—The new X-ray department was opened in April, and the new X-ray plant which was installed has greatly improved the standard of the radiological work.

During the year 1,632 X-ray photographs were taken. Of these the great majority were films of the chest, a considerable number of bones and joints, and a few of the abdomen, including investigations by means of barium and uroselectan.

Collapse Therapy.—During the year an artificial pneumothorax was induced in 26 cases, in 5 of whom the treatment was abandoned as the degree of collapse produced was not proving beneficial. Of the remaining 21, in 13 the collapse has proved adequate and beneficial, 5 have developed pleural effusions which are interfering to some extent with the progress of the treatment, one is stationary and 2 have died.

Minor Thoracic Surgery.—During the course of the year 8 minor thoracic operations were performed by the thoracic surgeon in the operating theatre, which was opened in April. Two of these were for crushing of the phrenic nerve, one for drainage of an empyema, and the remaining five were for the division of adhesions in artificial pneumothorax cases.

SEAHAM HALL SANATORIUM.—There are 130 beds in this sanatorium, and on an average 80 of these are used for female patients with pulmonary tuberculosis, the remainder being occupied by female adults and children with the non-pulmonary type of the disease.

The number of cases discharged during the year was 243.

The average duration of treatment was as follows:—pulmonary cases—163 days; non-pulmonary patients—298 days, including adults, children and observation cases.

Treatment.—Seventy-nine cases received sanocrysin treatment, and 18 cases received artificial pneumothorax treatment.

X-Ray Department.—951 X-ray examinations were made during the year.

EARL'S HOUSE SANATORIUM, NR. DURHAM.—The 78 beds at this sanatorium for boys under 15 years of age were fully occupied during the year except for those periods when admissions were stopped owing to infectious disease. During the year 121 patients

were admitted and 118 discharged from the sanatorium. Two teachers attend to the education of the boys, and where necessary, bedside instruction is given.

X-Ray Department.—313 X-ray examinations were made during the year.

Solarium.—The new solarium in the sanatorium was officially opened on the 15th May, and this addition enables more natural sunlight treatment to be given to the bed cases of surgical tuberculosis. There is accommodation in the solarium for 12 beds.

Plaster Room.—A new room for plaster work has been provided at this institution. It has been fitted with a gallows for spinal plaster work and also with benches and a drying cupboard for celluloid splint work.

SUNDERLAND R.D.C. SANATORIUM.—The arrangements previously made for the additional 14 beds at this sanatorium were continued during the year and on the 31st December, there were 39 beds available at this institution.

HELMINGTON ROW TUBERCULOSIS HOSPITAL, NR. BISHOP AUCKLAND.—The 12 beds for adult males with pulmonary tuberculosis of the chronic ambulant type were fully occupied at this institution during the year.

TINDALE CRESCENT TUBERCULOSIS HOSPITAL, NR. BISHOP AUCKLAND.—The 12 beds in this institution for adult females were fully occupied during the year.

The alterations for improving the accommodation at these two institutions were completed in May and two single-bed wards are now available for special cases at each institution. The verandahs have been extended and a new dining-room has been provided at each hospital.

STANNINGTON SANATORIUM, NORTHUMBERLAND.—The County Council reserve by arrangement 90 beds at this sanatorium, and at the end of the year all these beds were occupied. During the year 96 Durham County patients were discharged from the sanatorium and 96 were admitted. Satisfactory results were obtained in 70 of these children, all of whom were well and free from active disease when they left, and five others could be classified as improved.

As in former years one-half of the beds retained at this institution were used for the treatment of cases of surgical tuberculosis, the other half being used for pulmonary cases. Education suited to the needs of the individual child is available to all those whose health permits, and is given under ideal conditions in the well-equipped modern open-air school at Stannington.

PRESTON HALL SANATORIUM, KENT.—One ex-service man and 2 dependants were in residence at the beginning of the year, while 2 ex-service men and 1 dependant were admitted during the year. Two dependants and 1 ex-service man were discharged. There were 2 ex-service men and 1 dependant in residence on the 31st December.

GENERAL HOSPITALS.

The following general hospitals were used for the treatment of surgical tuberculosis throughout the year :—

Royal Victoria Infirmary, Newcastle-on-Tyne.

Royal Infirmary, Sunderland.

Children's Hospital, Sunderland.

Monkwearmouth and Southwick Hospital, Sunderland.

Children's Hospital, Gateshead.

Ingham Infirmary, South Shields.

Durham County Hospital, Durham.

Sherburn Hospital, Nr. Durham.

Hartlepoons Hospital, Hartlepool.

Memorial Hospital, Darlington.

Stockton and Thornaby Hospital, Stockton.

War Memorial Hospital, Whickham.

Holmside and South Moor Miners' Welfare Hospital, South Moor.

Richard Murray Hospital, Blackhill.

The total average accommodation during the year was:—sanatoria 553 beds, and general hospitals 35, making a total of 588 beds.

The following tables show the number of beds available on the 31st December, 1937, for males, females and children, in institutions belonging to the Council; also the allocation of the beds, together with the extent of residential treatment and the immediate results of such treatment.

Table 36.

Number of beds available for the treatment of Tuberculosis on the 31st December in Institutions belonging to the Council.

NAME OF INSTITUTION.	FOR PULMONARY CASES.		FOR NON-PULMONARY CASES.		TOTAL.
	Adults.	Children under 15.	Adults.	Children under 15.	
Hollywood Hall (Wolsingham) ...	148	—	35	—	183
Seaham Hall (Seaham Harbour) ...	80	—	22	28	130
Earls House (Durham) ...	—	39	—	39	78
<i>Public Assistance Institutions.</i>					
Bishop Auckland	7	—	—	—	7
Durham ...	3	—	—	—	3
Stockton...	3	—	3	—	6

All institutions belonging to the Authority which are being used for the treatment of tuberculosis are included. Those which have not been appropriated for public health purposes and are being administered by a Public Assistance Committee are shown separately under the title of "Public Assistance Institutions."

"Number of beds available," means the total number of beds in the institution used for the purpose, whether they are all occupied or not.

Table 37.

Return showing the extent of Residential Treatment and Observation during the year in Institutions (other than Public Assistance Institutions) approved for the treatment of Tuberculosis.

		In- Institu- tions on Jan. 1.	Ad- mitted during the year.	Dis- charged during the year.	Died in the Institu- tions.	In Institu- tions on Dec. 31.
Number of doubt- fully tuberculous cases admitted for observation.	Adult males	3	40	39	—	4
	Adult females	4	43	46	—	1
	Children	7	67	71	—	3
	Total	14	150	156	—	8
Number of patients suffering from pulmonary tuberculosis.	Adult males	138	267	224	37	144
	Adult females	104	271	243	35	97
	Children	55	60	66	4	45
	Total	297	598	533	76	286
Number of patients suffering from non-pul- monary tuber- culosis.	Adult males	36	97	88	6	39
	Adult females	22	101	94	2	27
	Children	134	228	207	3	152
	Total	192	426	389	11	218
GRAND TOTAL ...		503	1174	1078	87	512

Table 38.

Return showing the extent of Residential Treatment provided during the year in Public Assistance Institutions for persons chargeable to the Council.

		In- Institu- tions on Jan. 1.	Ad- mitted during the year.	Dis- charged during the year.	Died in the Institu- tions.	In Institu- tions on Dec. 31.
Number of patients suffering from pulmonary tuber- culosis admitted for treatment.	Adult males	14	44	20	27	11
	Adult females	6	22	12	14	2
	Children	1	4	1	3	1
	Total	21	70	33	44	14
Number of patients suffering from non- pulmonary tuber- culosis admitted for treatment.	Adult males	5	16	13	4	4
	Adult females	4	9	6	5	2
	Children	6	14	15	2	3
	Total	15	39	34	11	9
GRAND TOTAL		36	109	67	55	23

This table is intended to show the extent of treatment provided by the Authority additional to that provided by them under the Public Health Acts.

Table 39.

Return showing the results of observation of doubtfully tuberculous cases discharged during the year from Institutions approved for the treatment of Tuberculosis.

Diagnosis on discharge from observation.			FOR PULMONARY TUBERCULOSIS.						FOR NON-PULMONARY TUBERCULOSIS.						TOTALS.		
			Stay under 4 weeks.			Stay over 4 weeks.			Stay under 4 weeks.			Stay over 4 weeks.					
			M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
Tuberculous	...	...	8	6	10	6	5	8	—	3	9	—	1	7	14	15	34
Non-Tuberculous	...	...	3	12	1	12	13	14	6	3	8	4	1	14	25	29	37
Doubtful	...	...	—	1	—	—	1	—	—	—	—	—	—	—	—	2	—
TOTALS	...	...	11	19	11	18	19	22	6	6	17	4	2	21	39	46	71

WAITING LIST.

The following patients were awaiting admission to sanatoria and hospitals on the 31st December, 1937 :—

	Sanatorium.		Hospital.
	Pul.	Non-Pul.	
Adult Males ...	8	2	4
Adult Females ...	2	—	2
Boys ...	—	—	—
Girls ...	—	2	—
Totals ...	10	4	6
	==	==	==

X-RAY PHOTOGRAPHY.

During the year the following X-ray photographs were taken at the request of the district tuberculosis officers :—chest—897 ; spine, pelvis and hip joint—82 ; knee and ankle joint—28 ; and other regions—42. The number of photographs has again increased compared with previous years.

ARTIFICIAL LIGHT TREATMENT OF CASES OF LUPUS AND TUBERCULOSIS OF THE SKIN.

Treatment of all forms of skin tuberculosis has been carried out as in past years at the Skin Clinic of the Royal Victoria Infirmary, Newcastle-on-Tyne.

Some patients have been admitted to the ward for scraping and cauterisation, which has been found to shorten the duration of the disease considerably.

In January a pair of Finsen-Lomholt lamps were installed for the treatment of tuberculosis of the skin by the direct application of light to the lesions. This, it is anticipated, will give better results in association with the general exposures.

The number of new cases who commenced treatment during the year was 82 compared with 80 in the previous year. The figures are as follows :—

				<i>Lupus</i>		<i>Tuberculosis</i>
				<i>Vulgaris.</i>	<i>Scrofuloderma.</i>	<i>Cutis.</i>
1936	...	...	...	38	40	2
1937	...	...	...	25	56	1

The total number of treatments given during the year was 4,503 compared with 5,447 in 1936.

DISPENSARY AND DOMICILIARY WORK.

The total number of persons who attended the dispensaries during the year was 7,051 compared with 7,335 in 1936, while the number of attendances was 20,379 as against 20,655 in 1936.

The total number of patients visited at their homes by the tuberculosis officers was 3,059.

CASES UNDER SUPERVISION.

On the 31st December there were 4,303 cases on the dispensary registers, classified as follows :—

<i>Pulmonary Tuberculosis.</i>		<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Under 15 years of age...	...	93	89	182
15 years and over	...	1,124	909	2,033
<i>Non-Pulmonary Tuberculosis.</i>				
Under 15 years of age	...	589	488	1,077
15 years and over	...	477	534	1,011
Total patients on the registers	...	2,283	2,020	4,303
Doubtful cases (diagnosis not confirmed)		...	...	26

On the estimated population of the administrative county, viz., 886,200, the 4,303 cases represent an incidence of 4.8 per 1,000.

SUPERVISION OF SPUTUM POSITIVE CASES.

At the end of the year there were 1,195 sputum positive cases on the registers. As in former years every effort has been made to trace these cases to prevent their being lost sight of. Special effort is also made to examine all the contacts of positive sputum cases. The number of contacts examined during the year was 1,348 and of these 114 were found to be tuberculous.

SANITARY DEFECTS.

The county health visitors reported 185 such defects existing in houses where a notified tuberculous patient was in residence.

CO-OPERATION WITH MEDICAL PRACTITIONERS.

The closest co-operation continues to exist between the tuberculosis medical officers and the private practitioners in the administrative county, the services of the tuberculosis officers being frequently asked for in a consultative capacity.

CO-OPERATION WITH THE MINISTRY OF PENSIONS.

Seven reports on ex-service pensioners were supplied to the Ministry of Pensions during the year.

TREATMENT OF TUBERCULOUS PENSIONERS.

During the year 3 tuberculous pensioners were admitted to sanatoria and hospitals and 3 were discharged. At the end of the year 3 were receiving in-patient treatment.

CO-OPERATION WITH THE SCHOOL MEDICAL DEPARTMENT.

The number of suspected tuberculous school children referred to the dispensaries by the assistant school medical officers was 94 (52 boys and 42 girls), and the district tuberculosis officers found that of this number 12 boys and 12 girls were tuberculous.

LOCAL GOVERNMENT ACT, 1929—CO-OPERATION WITH PUBLIC ASSISTANCE DEPARTMENT.

All admissions of tuberculous patients to public assistance institutions were notified to this department, and arrangements were made for their examination by the tuberculosis medical officers.

SURGICAL APPLIANCES.

During the year orthopædic appliances were supplied to 19 patients on the recommendation of the tuberculosis officers as follows :—

Spinal Cases.

Poroplastic jackets	...	...	...	...	1
Chance's supports	...	...	...	...	6

Joints.

Thomas' hip splints	...	...	...	...	5
Thomas' knee splints	...	...	...	...	2
Walking calipers	...	...	...	...	5

Shortening of limb and foot deformity.

Boots	18
-------	-----	-----	-----	-----	-----	----

Artificial Limbs.

Legs	3
------	-----	-----	-----	-----	-----	---

Various cases.

Crutches, pattens, etc.	13
-------------------------	-----	-----	-----	-----	----

Repairs.

Including alterations and adjustments for growth	38
--	-----	-----	-----	-----	-----	----

Table 40.

Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from Institutions approved for the treatment of Tuberculosis.

Classification on admission to the Institution.		Condition at time of discharge.	Duration of Residential Treatment in the Institution.															Grand Totals.
			Under 3 months. but exceeding 28 days.			3-6 months.			6-12 months.			More than 12 months.			Totals.			
			M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
PULMONARY TUBERCULOSIS.	Class T.B. minus.	Quiescent ...	6	2	2	10	5	8	2	8	18	2	2	7	20	17	35	72
		Not quiescent ...	11	12	2	8	9	4	5	9	1	—	2	1	24	32	8	64
		Died in Institution	2	—	—	—	—	—	1	1	—	—	—	—	3	1	—	4
	Class T.B. plus Group I.	Quiescent ...	3	4	—	3	3	—	1	3	1	4	1	—	11	11	1	23
		Not quiescent ...	5	2	—	13	15	—	9	6	—	10	3	1	37	26	1	64
		Died in Institution	2	1	—	1	1	—	1	1	—	2	—	—	6	3	—	9
	Class T.B. plus. Group II.	Quiescent ...	3	—	—	—	1	—	1	4	1	2	—	4	6	5	5	16
		Not quiescent ...	18	27	—	36	50	—	26	22	1	17	11	2	97	110	3	210
		Died in Institution	6	4	—	2	2	—	3	1	2	1	4	—	12	11	2	25
	Class T.B. plus. Group III.	Quiescent ...	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1
		Not quiescent ...	3	2	—	5	6	—	2	2	—	—	1	2	10	11	2	23
		Died in Institution	4	1	—	3	—	1	—	1	—	1	—	6	8	2	7	17
	TOTALS (pulmonary)		63	55	4	81	92	13	51	58	24	39	24	24	234	229	65	528
NON-PULMONARY TUBERCULOSIS.	Bones and Joints.	Quiescent ...	2	3	4	—	2	6	—	4	9	3	—	26	5	9	45	59
		Not quiescent ...	11	6	5	4	1	5	4	2	4	5	2	9	24	11	23	58
		Died in Institution	1	—	—	1	—	—	—	—	1	—	—	—	2	—	1	3
	Abdominal	Quiescent ...	—	—	2	1	2	18	—	3	16	1	—	7	2	5	43	50
		Not quiescent ...	1	1	2	—	—	3	2	—	—	—	1	—	3	2	5	10
		Died in Institution	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	1
	Other Organs.	Quiescent ...	1	1	1	—	—	—	—	—	—	—	—	—	1	1	1	3
		Not quiescent ...	7	8	3	—	1	—	1	2	—	1	—	—	9	11	3	23
		Died in Institution	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	1
	Peripheral glands.	Quiescent ...	1	2	5	—	—	11	1	2	13	—	—	2	2	4	31	37
		Not quiescent ...	1	1	9	—	2	1	—	—	2	—	—	1	1	3	13	17
		Died in Institution	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	TOTALS (non-pulmonary)		25	23	31	7	8	44	8	13	45	10	3	45	50	47	165	262

The following table shows the work done at the twelve Dispensaries during the year :—

Table 41.

DIAGNOSIS.	PULMONARY.				NON-PULMONARY.				TOTAL.				GRAND TOTAL.	
	Adults.		Children.		Adults.		Children.		Adults.		Children.			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
A.—NEW CASES examined during the year (excluding contacts) :—														
(a) Definitely tuberculous ...	256	214	22	18	73	66	136	103	329	280	158	121	888	2536
* (b) Diagnosis not completed ...	—	—	—	—	—	—	—	—	12	7	2	2	23	
(c) Non-tuberculous ...	—	—	—	—	—	—	—	—	441	432	414	338	1625	
B.—CONTACTS examined during the year :—														
(a) Definitely tuberculous ...	39	30	10	6	4	3	5	17	43	33	15	23	114	1348
* (b) Diagnosis not completed ...	—	—	—	—	—	—	—	—	—	—	1	2	3	
(c) Non-tuberculous ...	—	—	—	—	—	—	—	—	121	287	428	395	1231	
C.—Cases written off the Dispensary Register as :—														
(a) Recovered ...	56	47	3	6	106	102	87	83	162	149	90	89	490	3435
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as Tuberculous) ...	—	—	—	—	—	—	—	—	595	747	859	744	2945	
D.—NUMBER OF CASES on Dispensary Register on December 31st :—														
(a) Definitely tuberculous ...	1124	909	93	89	477	534	589	488	1601	1443	682	577	4303	4329
(b) Diagnosis not completed ...	—	—	—	—	—	—	—	—	12	7	3	4	26	

1. Number of cases on Dispensary Register on January 1st, 1937 ... 4581
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years ... 154
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of" ... 399
4. Cases written off during the year as Dead (all causes) ... 456
5. Number of attendances at the Dispensary (including Contacts)... 20379
6. Number of Insured Persons under Domiciliary Treatment on the 31st December ... 316
7. Number of consultations with medical practitioners :—
 - (a) Personal ... 831
 - (b) Other ... 2640

8. Number of visits by Tuberculosis Officers to homes (including personal consultations) ... 3059
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes ... 18439
10. Number of :—
 - (a) Specimens of sputum, etc., examined ... 3082
 - (b) X-ray examination made in connexion with Dispensary work ... 1049
11. Number of "Recovered" cases restored to Dispensary Register, and included in A (a) and A (b) above ... 18
12. Number of "T.B. plus" cases on Dispensary Register on December 31st ... 1195

(B) Number of Dispensaries for the treatment of Tuberculosis (excluding centres used only for special forms of treatment).

Provided by the Council—Twelve.

Provided by Voluntary Bodies—Nil.

* i.e., remaining undiagnosed on 31st December.

Table 42.

PULMONARY TUBERCULOSIS.

Return showing in summary form (a) the condition at the end of 1937 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register. The Table is arranged according to the years in which the patients were first entered on the Dispensary Register as definite cases of pulmonary tuberculosis, and their classification at that time.

Condition at the time of the last record made during the year to which the return relates.				Previous to 1927.					1927.					1928.					1929.					1930.					1931.					1932.					1933.					Class T.B. minus
				Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					Class T.B. plus.					
Disease Arrested.	Adults	M.	41	13	16	—	29	4	1	2	—	3	7	4	—	—	4	4	1	7	—	8	5	7	2	1	10	5	6	9	—	15	5	3	8	2	13	15	2	7	—	9	16	
		F.	27	2	2	—	4	7	2	1	—	3	3	4	3	—	7	10	2	1	1	4	6	2	3	—	5	7	1	4	—	5	17	3	4	—	7	20	6	3	—	9	18	
	Children	18	—	1	—	1	7	—	—	—	—	9	1	1	—	2	7	—	1	—	1	5	—	2	—	2	8	—	1	—	1	19	3	—	1	4	17	1	1	—	2	27		
Disease not Arrested.	Adults	M.	8	18	32	3	53	—	2	5	3	10	2	6	5	—	11	—	2	7	—	9	3	8	8	1	17	10	8	10	1	19	4	12	19	2	33	7	14	14	1	29	12	
		F.	16	4	10	1	15	2	—	3	—	3	4	1	5	1	7	1	7	5	—	12	2	1	8	—	9	4	5	7	—	12	8	4	13	2	19	4	14	13	—	27	21	
	Children	21	2	3	2	7	1	—	—	—	—	—	1	1	—	2	2	—	1	1	2	1	1	3	—	4	—	2	3	1	6	2	1	2	1	4	5	1	3	2	6	9		
Condition not ascertained during the year			8	—	—	—	—	2	—	—	—	—	1	—	—	—	—	1	—	—	—	—	6	—	—	—	—	—	—	—	—	—	5	—	—	—	—	5	—	—	—	—	8	
Total on Dispensary Register at 31st December.			139	39	64	6	109	23	5	11	3	19	26	17	15	1	33	25	12	22	2	36	28	19	26	2	47	34	22	34	2	58	60	26	46	8	80	73	38	41	3	82	111	
Discharged as Recovered.	Adults	M.	70	19	13	—	32	5	3	1	—	4	13	2	3	—	5	5	3	3	—	6	9	4	4	—	8	2	3	1	—	4	3	1	—	—	—	—	—	—	—	—		
		F.	47	7	4	—	11	4	2	2	—	4	6	1	2	—	3	10	1	2	—	3	9	3	1	—	4	8	1	—	—	1	4	1	1	—	2	—	—	—	—	—		
	Children.	109	7	2	—	9	29	—	1	—	1	28	—	—	—	—	18	2	1	—	3	15	2	—	—	2	9	1	—	—	1	4	—	—	—	—	—	—	—	—	—	—		
Lost sight of, or otherwise removed from Dispensary Register.			860	42	51	3	96	180	16	19	2	37	170	16	32	5	53	108	21	12	3	36	96	23	26	5	54	67	23	31	2	56	68	11	34	3	48	56	19	30	2	51	6	
Dead.	Adults	M.	44	28	111	24	163	12	10	42	10	62	24	17	78	20	115	31	42	113	37	192	31	50	100	42	192	27	40	101	48	189	23	26	109	41	176	27	30	115	29	174	2	
		F.	32	19	61	18	98	15	4	32	10	46	14	32	63	29	124	24	25	83	50	158	31	30	121	37	188	30	29	97	32	158	20	31	101	37	169	27	26	99	33	158	31	
	Children	26	5	20	10	35	7	1	7	—	8	5	1	5	5	11	15	3	12	7	22	15	6	16	2	24	8	5	8	7	20	10	5	11	9	25	11	3	5	5	13	13		
Total written off Dispensary Register			1188	127	262	55	444	252	36	104	22	162	260	69	183	59	311	211	97	226	97	420	206	118	268	86	472	151	102	238	89	429	132	75	256	90	421	121	78	249	69	396	19	
GRAND TOTALS			1327	166	326	61	553	275	41	115	25	181	286	86	198	60	344	236	109	248	99	456	234	137	294	88	519	185	124	272	91	487	192	101	302	98	501	194	116	290	72	478	20	

(a) Remaining on Dispensary Register on 31st December.

(b) Not now on Dispensary Register and reasons for removal therefrom.

TUBERCULOSIS.

of 1937 of all patients remaining on the Dispensary register. The Table is arranged according to the years in which of pulmonary tuberculosis, and their classification at that time.

1931.			1932.					1933.					1934.					1935.					1936.					1937.				
Class T.B. plus.			Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus.			
Group 1	Group 2	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).		Group 1	Group 2	Group 3	Total (Class T.B. plus).
9	—	15	5	3	8	2	13	15	2	7	—	9	16	11	11	—	22	14	6	4	—	10	—	—	—	—	—	—	—	—	—	—
4	—	5	17	3	4	—	7	20	6	3	—	9	18	3	4	—	7	11	1	2	1	4	—	—	—	—	—	—	—	—	—	—
1	—	1	19	3	—	1	4	17	1	1	—	2	27	—	—	—	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0	1	19	4	12	19	2	33	7	14	14	1	29	12	28	27	1	56	28	27	54	2	83	51	31	56	3	90	80	44	104	7	155
7	—	12	8	4	13	2	19	4	14	13	—	27	21	9	20	—	29	31	14	36	1	51	62	29	51	6	86	83	40	67	3	110
3	1	6	2	1	2	1	4	5	1	3	2	6	9	2	1	—	3	24	1	6	—	7	37	3	7	—	10	50	7	1	—	8
—	—	—	5	—	—	—	—	5	—	—	—	—	8	—	—	—	—	3	—	—	—	—	10	—	—	—	—	—	—	—	—	—
4	2	58	60	26	46	8	80	73	38	41	3	82	111	53	63	1	117	128	49	102	4	155	160	63	114	9	186	213	91	172	10	273
1	—	4	3	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	1	4	1	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	2	56	68	11	34	3	48	56	19	30	2	51	64	16	36	—	52	55	17	16	5	38	32	13	17	1	31	6	6	8	2	16
1	48	189	23	26	109	41	176	27	30	115	29	174	21	26	98	24	148	27	21	74	23	118	29	13	75	27	115	12	4	32	22	58
7	32	158	20	31	101	37	169	27	26	99	33	158	31	28	98	16	142	29	16	77	31	124	23	6	58	22	86	14	4	23	10	37
8	7	20	10	5	11	9	25	11	3	5	5	13	13	4	9	2	15	7	—	5	2	7	8	1	4	4	9	5	—	1	1	2
8	89	429	132	75	256	90	421	121	78	249	69	396	129	74	241	42	357	118	54	172	61	287	92	33	154	54	241	37	14	64	35	113
2	91	487	192	101	302	98	501	194	116	290	72	478	240	127	304	43	474	246	103	274	65	442	252	96	268	63	427	250	105	236	45	386

Table 48.

NON-PULMONARY TUBERCULOSIS.

Return showing in summary form (a) the condition at the end of 1937 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register.

[illegible]

HOME NURSING.

Grants are made by the County Council, through the County Nursing Association to affiliated district nursing associations in the administrative county in connection with the home nursing of tuberculous patients. The number of visits paid by the district nurses during the year was 2,437.

DENTAL TREATMENT.

As in former years, provision was made for dental treatment in institutions for certain patients who were in poor financial circumstances.

OPEN-AIR SHELTERS.

At the beginning of the year there were 64 shelters in use and 26 awaiting removal. During the year 28 were removed from patients who had no further use for them and were erected for other patients or stored. The total number of shelters at the end of the year was 90 ; of which number 49 were in use and 41 were awaiting removal.

CARE AND AFTER-CARE.

The following is a summary of the work done by the seven district care committees :—

Extra nourishment supplied to	...	...	552
Clothing and/or boots supplied to	...	...	260
Bedsteads and bedding supplied to...	...	...	24
Dental treatment secured for	...	...	23
Suitable employment arranged for	...	...	2
Appliances supplied to	...	...	14
Referred to Public Assistance Committees			
and other bodies	...	...	117
Referred to United Services Fund	...	...	2
Home help provided for	...	...	8
No action taken	...	...	30

Grants have been made to 7 cases under the scheme for assistance in the payment of rent.

OCCUPATIONAL INCIDENCE.

There is no evidence of any marked incidence of tuberculosis in any special occupation.

Notifications.

The number of primary notifications of new cases of tuberculosis received during the year 1937 was 1,256 :—

Table 44.

	Pulmonary.	Non-Pulmonary.	Total.
Males	405	269	674
Females.....	327	255	582
Totals	732	524	1,256

Summary of notifications during the period from the 1st January, 1937, to the 31st December, 1937, in the administrative county :—

Table 45.

AGE PERIODS.	FORMAL NOTIFICATIONS.												Total (all ages)	Total* Notifica- tions
	No. of Primary Notifications of new cases of Tuberculosis.													
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and over			
Pulmonary :														
Males	...	1	8	17	23	49	47	86	74	57	35	8	405	423
Females	...	1	—	13	16	53	63	89	47	28	11	6	327	353
Non-Pulmonary:														
Males	...	4	39	74	63	31	17	13	13	5	7	3	269	294
Females	...	3	31	62	56	30	23	28	10	7	1	4	255	265

* Includes duplicate notifications.

Table 46.

New cases of Tuberculosis coming to the knowledge of the
County Medical Officer of Health during the year 1937, OTHERWISE than
by Formal Notification.

Age Periods.	0-1	1-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65 and up- wards	Total.
Pulmonary—												
Males ...	1	1	1	—	2	7	11	7	6	2	3	41
Females ...	—	—	1	2	6	11	18	5	8	2	2	55
Non-Pulmonary—												
Males ...	3	7	4	4	3	3	4	2	4	2	—	36
Females ...	2	7	4	2	7	7	4	4	3	2	3	45
Totals ...	6	15	10	8	18	28	37	18	21	8	8	177

The source or sources from which information as to the
above-mentioned cases was obtained :—

Source of Information.	No. of Cases.	
	Pulmonary.	Non- Pulmonary.
Death Returns—from local Registrars ...	21	23
Death Returns—transferable deaths from Registrar General ...	27	44
Posthumous notifications ...	9	3
“Transfers” from other areas (other than transferable deaths) ...	39	11
Other Sources, if any...	—	—

Statement of notifications of tuberculosis in the different urban and rural districts in the administrative county during the period 1st January, 1937, to 31st December, 1937 :—

Table 47.

District.	Primary Notifications of new cases of Tuberculosis.			
	Pulmonary.		Non-pulmonary.	
	Males.	Females.	Males.	Females.
URBAN.				
Durham	10	6	10	9
Hartlepool	13	5	5	5
Jarrow	23	22	10	19
Stockton	29	30	9	13
Barnard Castle	3	2	—	1
Billingham	8	5	12	4
Bishop Auckland	15	8	10	8
Blaydon	16	10	9	5
Boldon	6	6	2	2
Brandon and Byshottles	9	8	6	7
Chester-le-Street	10	7	7	4
Consett	11	14	13	10
Crook and Willington	9	5	4	6
Felling... ..	22	18	11	10
Hebburn	19	16	11	5
Hetton	8	2	12	6
Houghton-le-Spring	10	8	8	6
Ryton	2	4	3	4
Seaham	16	10	3	7
Sildon	3	3	3	5
Spennymoor	8	10	6	5
Stanley	23	19	19	14
Tow Law	2	1	1	3
Washington	6	6	7	2
Whickham	14	12	9	9
Totals	295	237	190	169
RURAL.				
Barnard Castle	2	6	4	2
Chester-le-Street	25	24	11	13
Darlington	3	4	1	1
Durham	6	6	10	8
Easington	26	19	29	38
Lanchester	2	3	1	2
Sedgefield	26	16	8	13
Stockton	2	—	2	1
Sunderland	15	11	11	5
Weardale	3	1	2	3
Totals	110	90	79	86
Administrative County	405	327	269	255

Table 48.

NOTIFICATIONS—(PRIMARY.) FOR 1928-1937.

Year.	Pulmonary.	Non-Pulmonary.	Totals.
1928	1,102	937	2,039
1929	947	881	1,828
1930	951	743	1,694
1931	889	712	1,601
1932	898	793	1,691
1933	805	614	1,419
1934	824	591	1,415
1935	748	542	1,290
1936	753	554	1,307
1937	732	524	1,256

In the following tables the death-rates from pulmonary and non-pulmonary tuberculosis in the boroughs and in the urban and rural districts of the administrative county are compared.

Table 49.**PULMONARY TUBERCULOSIS.**

Rate per 1,000 Living.	1933.	1934.	1935.	1936.	1937.
Municipal Boroughs ...	0.92	0.98	0.76	0.72	0.76
Other Urban Districts ...	0.80	0.68	0.74	0.67	0.58
Rural Districts ...	0.60	0.66	0.58	0.53	0.53
Administrative County ...	0.73	0.71	0.67	0.62	0.59
England and Wales ...	0.69	0.64	0.61	0.58	0.58

This death-rate of 0.59 per 1,000 population is the lowest on record for this administrative county.

Table 50.**NON-PULMONARY TUBERCULOSIS.**

Rate per 1,000 Living.	1933.	1934.	1935.	1936.	1937.
Municipal Boroughs ...	0.17	0.22	0.18	0.12	0.20
Other Urban Districts ...	0.15	0.14	0.16	0.15	0.13
Rural Districts ...	0.16	0.15	0.15	0.16	0.16
Administrative County ...	0.16	0.16	0.16	0.15	0.15
England and Wales ...	0.13	0.13	0.11	0.11	0.11

Table 51.

The following table shows the ages at death and the districts in which they occurred :—

PULMONARY TUBERCULOSIS.

DISTRICT.	Deaths at Subjoined Ages.											Totals
	Un- der 1 year.	1 & un- der 5	5 & un- der 10	10 & un- der 15	15 & un- der 20	20 & un- der 25	25 & un- der 35	35 & un- der 45	45 & un- der 55	55 & un- der 65	65 & up- wards	
URBAN.												
Durham Borough ...	—	—	1	—	3	2	2	4	2	—	1	15
Hartlepool Borough	—	1	—	—	3	2	5	—	1	3	—	15
Jarrow Borough ...	—	—	—	1	7	7	4	6	7	3	2	37
Stockton Borough...	—	—	1	—	6	3	6	9	6	2	4	37
Barnard Castle ...	—	—	—	—	—	—	—	1	2	—	1	4
Billingham ...	—	—	—	—	2	—	1	2	2	—	—	7
Bishop Auckland ...	—	—	—	—	1	4	5	5	5	1	—	21
Blaydon ...	—	—	—	—	2	2	8	3	2	5	—	22
Boldon ...	—	—	1	—	—	—	1	—	2	2	—	6
Brandon & Bysh. ...	—	—	—	—	—	6	5	2	2	—	1	16
Chester-le-Street ...	—	—	—	—	—	4	2	2	2	—	—	10
Consett ...	—	—	—	1	4	3	5	2	1	—	—	16
Crook & Willington	—	—	—	1	1	1	3	2	2	—	—	10
Felling ...	—	—	—	—	3	3	8	8	6	5	4	37
Hebburn ...	—	—	—	2	2	5	3	6	6	1	—	25
Hetton ...	—	—	—	—	4	2	2	2	2	1	—	13
Houghton-le-Spring	—	—	—	—	2	2	4	1	1	1	—	11
Ryton ...	—	—	—	—	—	—	1	—	—	—	—	1
Seaham ...	—	—	—	—	—	2	4	3	2	—	—	11
Shildon ...	—	—	—	—	—	—	2	—	4	—	—	6
Spennymoor ...	—	—	—	—	2	7	3	5	2	—	—	19
Stanley ...	—	—	—	—	2	1	4	3	2	2	1	15
Tow Law ...	—	—	—	—	—	—	—	1	1	—	—	2
Washington ...	1	—	—	—	2	—	4	2	1	—	1	11
Whickham ...	—	—	—	—	1	3	1	—	6	2	—	13
Totals ...	1	1	3	5	47	59	83	69	69	28	15	380
RURAL.												
Barnard Castle ...	—	—	—	—	—	—	4	—	—	—	—	4
Chester-le-Street ...	—	—	1	1	3	2	6	1	2	2	1	19
Darlington ...	—	—	—	—	—	1	1	—	—	—	—	2
Durham ...	—	—	—	—	5	4	4	2	6	1	2	24
Easington ...	—	1	1	—	4	7	20	8	8	1	—	50
Lanchester ...	—	—	—	—	1	1	2	—	—	—	—	4
Sedgefield ...	—	—	—	1	2	1	6	1	3	2	—	16
Stockton ...	—	—	—	1	—	—	—	—	—	—	—	1
Sunderland...	—	—	—	—	2	3	7	3	1	3	—	19
Weardale ...	—	—	—	—	—	1	1	1	1	—	—	4
Totals ...	—	1	2	3	17	20	51	16	21	9	3	143
Adminis. County ...	1	2	5	8	64	79	134	85	90	37	18	523

Table 52.

The following table shows the ages at death and the districts in which they occurred :—

NON-PULMONARY TUBERCULOSIS.

DISTRICT.	Deaths at Subjoined Ages.											Total
	Un- der 1 year.	1 & un- der 5	5 & un- der 10	10 & un- der 15	15 & un- der 20	20 & un- der 25	25 & un- der 35	35 & un- der 45	45 & un- der 55	55 & un- der 65	65 & up- wards	
URBAN.												
Durham Borough ...	—	1	1	—	—	—	1	—	—	—	—	3
Hartlepool Borough	—	—	2	—	1	—	—	—	—	1	—	4
Jarrow Borough ...	—	1	1	1	—	1	1	—	—	—	1	6
Stockton Borough...	2	6	—	—	1	—	2	2	—	1	—	14
Barnard Castle ...	—	—	—	—	—	—	—	—	—	—	—	—
Billingham ...	—	—	—	—	1	—	—	—	—	—	—	1
Bishop Auckland ...	—	1	1	—	—	—	—	1	—	1	—	4
Blaydon ...	—	—	—	—	1	—	1	1	—	—	—	3
Boldon ...	—	1	—	—	—	—	1	—	—	1	—	3
Brandon & Byshot.	—	—	—	1	1	—	—	—	—	—	—	2
Chester-le-Street ...	—	—	1	—	—	—	—	1	—	—	—	2
Consett ...	—	—	—	—	—	—	—	1	—	—	1	2
Crook & Willington	—	—	—	—	—	—	1	—	—	—	—	1
Felling ...	—	—	1	1	—	—	2	1	—	—	—	5
Hebburn ...	1	—	—	—	—	1	—	—	—	—	1	3
Hetton ...	—	1	1	—	—	—	—	—	—	1	—	3
Houghton-le-Spring	—	—	—	—	—	1	—	1	1	—	—	3
Ryton ...	—	—	1	—	—	1	1	—	—	—	—	3
Seaham ...	1	1	—	—	—	2	—	—	1	—	1	6
Shildon ...	1	—	1	—	—	—	1	1	—	—	—	4
Spennymoor	—	—	—	1	1	1	1	—	—	—	—	4
Stanley ...	3	2	—	—	—	—	1	1	—	—	—	7
Tow Law ...	—	—	—	—	—	—	—	—	—	—	1	1
Washington	1	—	—	—	1	—	—	—	1	—	—	3
Whickham ...	—	—	—	—	—	1	—	—	—	—	—	1
Totals ...	9	14	10	4	7	8	13	10	3	5	5	88
RURAL.												
Barnard Castle ...	—	—	—	—	—	1	—	—	—	—	—	1
Chester-le-Street	—	2	—	1	4	—	—	—	2	—	—	9
Darlington ...	—	—	—	—	—	—	—	—	—	—	—	—
Durham ...	—	—	—	—	—	—	—	—	1	—	—	1
Easington ...	2	5	1	3	1	1	—	1	1	—	—	15
Lanchester ...	—	2	—	1	—	—	—	—	—	—	—	3
Sedgefield ...	—	1	1	1	—	—	1	1	1	—	—	6
Stockton ...	—	—	—	—	—	—	—	—	—	—	—	—
Sunderland	—	—	1	1	—	2	1	1	—	—	—	6
Weardale ...	—	—	—	1	—	—	3	—	—	—	—	4
Totals ...	2	10	3	8	5	4	5	3	5	—	—	45
Adminis. County ...	11	24	13	12	12	12	18	13	8	5	5	133

NEW CASES AND MORTALITY DURING 1937.

Table 53.

Age Period.				New Cases.				Deaths.			
				Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
				M.	F.	M.	F.	M.	F.	M.	F.
0	...	...	...	1	1	4	3	1	1	2	3
1	...	...	...	8	—	39	32	—	2	9	12
5	...	...	...	17	13	76	63	—	1	5	5
10	...	...	...	23	16	64	57	1	5	3	4
15	...	...	...	50	54	31	30	10	14	—	4
20	...	...	...	47	65	17	23	19	14	1	4
25	...	...	...	86	90	13	28	22	25	5	3
35	...	...	...	74	49	13	10	18	9	4	6
45	...	...	...	57	28	5	7	23	11	4	2
55	...	...	...	35	12	7	1	7	6	1	1
65 and upwards	...	...	...	8	6	3	4	3	7	—	3
Totals ...				406	334	272	258	104	95	34	47

The ratio of non-notified tuberculous deaths to total tuberculous deaths is 19.4% compared with 9.9% for the previous year. Every effort is made to induce medical practitioners either to notify cases or to send them to dispensaries as soon as tuberculosis is diagnosed.

Of the cases actually coming under the supervision of the tuberculosis medical officers during 1937, 1.1% were unnotified at the end of the year.

No action was taken under either the Public Health (Prevention of Tuberculosis) Regulations, 1925, or Section 62 of the Public Health Act, 1925.

VENEREAL DISEASES.

As the result of a conference of representatives of local authorities held at Newcastle-on-Tyne at the beginning of the year a Joint Committee was appointed to control a Venereal Diseases

Clinic at the General Hospital, Newcastle-on-Tyne. The constituent authorities are the County Boroughs of Gateshead and Newcastle, and the County Councils of Durham and Northumberland. The clinic at the Royal Victoria Infirmary, Newcastle-on-Tyne, ceased to function as such on the 30th August, 1937.

Treatment Centres.

The following is a list of approved treatment centres, showing days and hours of attendances at the clinics :—

	MALES.	FEMALES.
General Hospital, Newcastle.	Daily, 10 a.m.	Mon. to Fri., 3 p.m. Sat., 4-30 p.m.
Male and Female irrigations daily.		
Royal Infirmary, Sunderland.	Mon., 6 p.m. Wed., 6 p.m. Thurs. & Sat., 10 a.m. Fri., 2-30 p.m.	Tues., 10 a.m. & 2-30 p.m. Wed., 2-30 p.m. Fri., 10 a.m. Ante-natal.
Male and Female irrigations daily.		
County Hospital, Durham.	Mon., 5 p.m. Thurs., 11 a.m. & 5 p.m.	Mon & Thurs., 2-30 p.m.
Male and Female irrigations daily.		
Stockton & Thornaby Hospital. Stockton-on-Tees.	Tues. & Fri., 5 p.m.	Tues. & Fri., 2-30 p.m.
Male and Female irrigations daily.		

Provision has also been made for treatment in the hospitals situated in the county boroughs of Darlington, South Shields and West Hartlepool.

During the year 1,514 new patients from the administrative county area reported to the treatment centres. The out-patient attendances numbered 35,185 while 1,601 days were required for the in-patient treatment of patients attending the various clinics.

£367 was expended in defraying the travelling expenses of patients who attended the treatment centres and could not afford to pay their own travelling expenses. This represents a decrease of £15 compared with the sum expended in 1936.

TABLE D.

TABULATED STATEMENT OF THE CHIEF VITAL STATISTICS OF THE ADMINISTRATIVE COUNTY OF DURHAM FOR THE YEAR 1937, COMPILED FROM THE MONTHLY RETURNS SUPPLIED TO THE COUNTY MEDICAL OFFICER BY THE DISTRICT REGISTRARS.

AREA.	R.G. Estimated Resident Population, 1937.	Live Births.	Deaths.	Zymotic Deaths.	RATES PER 1,000 POPULATION.					Deaths under 1 year per 1,000 Births.	Percentage of Uncertified Deaths to Total Deaths.
					Birth- rate.	Death- rate.	Zymotic Death- rate.	Phthisis Death- rate.	Bronchi- tis, Pneu- monia and Pleurisy.		
Municipal Boroughs	135,870	2,395	1,774	53	17.6	13.4	0.39	0.76	1.25	67	4.1
Other Urban Districts ...	479,070	8,089	5,952	241	16.9	12.4	0.50	0.58	1.04	74	4.0
Rural Districts	271,260	4,674	3,291	120	17.2	12.1	0.44	0.53	0.98	68	3.5
ADMINISTRATIVE COUNTY	886,200	15,158	11,017	414	17.1	12.4	0.47	0.59	1.05	71	3.9
England and Wales	†	†	†	†	14.9	12.4	†	0.58	†	58	†

† Not available.

TABLE A.

TABLE GIVING POPULATION, BIRTH-RATE, DEATH-RATE, ETC., WITHIN THE URBAN AND RURAL DISTRICTS OF THE ADMINISTRATIVE COUNTY OF DURHAM—1937.

Medical Officer of Health.		Area In Acres.	Registrar General's Estimated Population, 1937.	Live Births.	Still Births.	Deaths.	Birth- rate.	Death- rate.	Comparability Death-rate.		Zymotic Death- rate	Infant Mortality- rate per 1,000 Births.	Phthisis Death- rate.	Total Tuber- culosis Death- rate.	Lung Diseases Death- rate.	Deaths occurring outside District included.	Deaths occurring within District excluded.	
									Factor.	Rate.								
BOROUGHES.																		
Durham	...	S. K. Young, M.D., B.Hy., D.P.H.	4,048	19,310	295	8	249	15.3	12.9	1.01	13.0	0.36	44	0.78	0.93	0.73	25	155
Hartlepool	...	G. B. Murray, M.B., Ch.B., D.P.H.	1,472	18,180	356	15	225	19.6	12.4	1.15	14.2	0.44	67	0.83	1.04	1.16	50	48
Jarrow	...	P. A. Dormer, M.A., M.D., D.P.H.	1,697	31,210	532	19	460	17.0	14.7	1.15	16.9	0.22	70	1.18	1.38	1.70	155	3
Stockton	...	G. C. M. McGonigle, M.D., B.S., B.Hy., D.P.H.	5,465	67,170	1,212	49	840	18.0	12.5	1.11	13.9	0.46	71	0.55	0.76	1.22	52	91
URBAN DISTRICTS.																		
Barnard Castle	...	C. H. Welford, M.D., C.M.	559	3,934	48	1	79	12.2	20.0	0.81	16.2	—	63	1.01	1.01	0.51	18	13
Billingham	...	T. J. Kirk, M.B., Ch.B.	7,855	20,680	393	17	151	19.0	7.3	1.40	10.2	0.34	66	0.34	0.39	0.97	45	4
Bishop Auckland	...	H. G. Donald, M.B., Ch.B., D.P.H.	9,332	35,710	614	36	486	17.2	13.6	1.09	14.8	0.48	70	0.59	0.70	0.92	65	92
Blaydon	...	H. Morrison, M.D., B.Hy., D.P.H.	9,235	31,150	530	29	401	17.0	12.9	1.18	15.2	0.84	100	0.71	0.80	1.31	107	14
Boldon	...	W. Armstrong, L.R.C.P., L.R.C.S.	8,400	16,740	234	10	205	14.0	12.2	1.13	13.8	0.42	86	0.36	0.54	0.48	66	4
Brandon & Byshottles	...	S. K. Young, M.D., B.Hy., D.P.H.	8,224	20,440	355	10	262	17.3	12.8	1.15	14.7	0.49	51	0.78	0.88	0.88	49	1
Chester-le-Street	...	J. S. Allen, L.R.C.P., L.R.C.S., L.R.F.P.S., D.P.H.	2,656	17,000	282	14	213	16.6	12.5	1.12	14.0	0.23	60	0.59	0.71	0.82	43	90
Consett	...	J. G. Walker, M.R.C.S., L.R.C.P., D.P.H.	10,042	37,280	677	38	436	18.1	11.7	1.19	13.9	0.67	68	0.43	0.48	0.96	91	22
Crook & Willington	...	F. Lishman, M.B., B.S.	15,476	28,640	418	18	359	14.5	12.5	1.12	14.0	0.31	67	0.35	0.38	0.69	72	17
Felling...	...	W. D. M. Millar, M.B., B.S., B.Hy., D.P.H.	3,349	25,830	431	20	378	16.7	14.6	1.17	17.1	1.35	74	1.43	1.62	1.16	95	5
Hebburn	...	D. S. Buchanan, M.B., B.S., D.P.H.	1,554	22,700	383	22	286	16.9	12.6	1.22	15.4	0.18	63	1.10	1.23	1.45	92	9
Hetton	...	R. Macleod, M.B., Ch.B., D.P.H.	4,551	19,670	369	19	223	18.7	11.3	1.19	13.4	0.30	65	0.66	0.81	1.02	50	2
Houghton-le-Spring	...	Lilian A. M. Johnston, B.Sc., M.B., Ch.B., D.P.H.	5,026	29,490	533	18	341	18.1	11.6	1.18	13.7	0.30	75	0.37	0.47	0.85	68	16
Ryton	...	T. M. Clayton, M.B., B.S.	5,145	13,470	195	11	149	14.5	11.1	1.17	13.0	0.67	92	0.07	0.30	0.60	35	1
Seaham	...	J. A. Neilan, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M., D.P.H.	2,469	29,380	503	23	303	17.1	10.3	1.22	12.5	0.75	86	0.37	0.58	1.39	92	16
Shildon	...	R. W. Smeddle, M.B., C.M.	4,970	13,946	240	15	203	17.2	14.5	1.08	15.7	0.29	79	0.43	0.72	1.29	40	3
Spennymoor	...	S. V. Tinsley, M.B., Ch.B.	7,543	19,560	334	16	255	17.1	13.0	1.16	15.1	0.20	72	0.97	1.18	1.12	66	3
Stanley	...	E. G. D. Benson, L.R.C.P., D.P.H.	12,658	50,830	835	45	667	16.4	13.1	1.19	15.6	0.51	69	0.30	0.43	0.96	151	20
Tow Law	...	A. Charlton, M.B., B.S.	477	3,280	47	2	53	14.3	16.1	1.06	17.1	1.83	85	0.61	0.91	1.52	17	3
Washington	...	W. D. M. Millar, M.B., B.S., B.Hy., D.P.H.	5,758	17,150	308	13	236	17.9	13.7	1.22	16.7	0.12	84	0.64	0.82	1.40	71	3
Whickham	...	Phyllis M. Hanson, M.B., B.S.	6,074	22,190	360	12	266	16.2	12.0	1.15	13.8	0.41	81	0.59	0.63	1.44	74	19
RURAL DISTRICTS.																		
Barnard Castle	...	E. S. Hawthorne, F.R.C.S., D.P.H.	110,118	17,460	247	9	230	14.1	13.2	1.00	13.2	0.23	61	0.23	0.29	0.80	38	4
Chester-le-Street	...	G. Millar, M.B., Ch.B., B.Hy., D.P.H.	22,223	43,230	678	26	517	15.7	12.0	1.19	14.3	0.21	71	0.44	0.65	0.92	119	6
Darlington	...	T. L. Wornald, M.D., B.S., B.Hy., D.P.H.	45,128	8,955	123	1	121	13.7	13.5	1.00	13.5	—	81	0.22	0.22	1.00	30	15
Durham	...	K. Falconer, M.D., D.P.H.	34,598	31,520	534	30	416	16.9	13.2	1.15	15.2	0.83	69	0.76	0.80	0.98	97	38
Easington	...	W. Grant, M.B., B.Hy., D.P.H.	34,653	79,870	1,634	70	910	20.4	11.4	1.24	14.1	0.55	68	0.63	0.81	0.99	134	54
Lanchester	...	J. G. Walker, M.R.C.S., L.R.C.P., D.P.H.	44,243	15,640	253	15	189	16.2	12.1	1.11	13.4	0.77	47	0.26	0.45	0.89	43	89
Sedgefield	...	J. C. V. Hindhaugh, M.B., B.S.	39,265	33,700	557	28	385	16.5	11.4	1.17	13.3	0.33	74	0.47	0.65	0.98	79	194
Stockton	...	T. J. Kirk, M.B., Ch.B.	41,118	7,238	104	4	98	14.4	13.5	1.06	14.3	0.41	67	0.14	0.14	0.69	23	7
Sunderland	...	J. M. Shaw, M.B., B.S.	8,366	24,440	410	21	292	16.7	11.9	1.18	14.0	0.37	85	0.78	1.02	1.43	101	58
Weardale	...	James Bannerman, M.B., C.M.	99,513	9,207	134	2	133	14.5	14.4	0.98	14.1	0.22	22	0.43	0.87	0.54	28	44

TABLE B.

TABLE GIVING THE DEATHS AT CERTAIN AGES AND FROM CERTAIN SPECIFIED CAUSES WITHIN THE
URBAN AND RURAL DISTRICTS OF THE ADMINISTRATIVE COUNTY OF DURHAM—1937.

[illegible]

TABLE C.

SANTARY INSPECTORS' REPORTS, URBAN. 1937.

URBAN DISTRICTS.		PUBLIC HEALTH ACTS—NOTICES SERVED AND NUISANCES ABATED.																				WATER FOOD AND DRUGS				PRECAUTIONS AGAINST INFECTIOUS DISEASE.						
		DWELLING HOUSES AND SCHOOLS.			Lodging-houses.	Dairies and Milk-shops.	Cowsheds.	Bakehouses.	Slaughter-houses.	Ashpits and Privies.	Deposits of Refuse and Manure.	Water-closets.	Defective Yards.	HOUSE DRAINAGE.			Water Supply.	Pigsties.	Animals Improperly Kept.	Offensive Trades.	Smoke Nuisances.	Other Nuisances.	Totals.	Samples of Water taken for Analysis.	Samples of Water condemned as unfit for use.	Seizures of Unwholesome Food.	Convictions for Exposing or Selling Unwholesome Food.	Lots of Infected Bedding Stowed or Destroyed.	Houses Disinfected after Infectious Disease.	Schools Disinfected after Infectious Disease.	Prosecutions for Exposure of Infected Persons or Things.	Convictions for Exposure of Infected Persons or Things.
		Foul Conditions.	Structural Defects.	Over-Crowding.										Defective Traps.	No Disconnection from Sewers.	Other Faults.																
DURHAM: Population, 19,310 Sanitary Inspector—G. W. Ragg.		10	359	—	4	—	29	—	42	—	32	108	1	—	—	27	4	—	5	—	3	87	720	—	—	—	—	346	158	—	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		10	359	—	4	—	29	—	42	—	32	108	1	—	—	27	4	—	5	—	3	87	720	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		10	359	—	4	—	29	—	42	—	32	108	1	—	—	27	4	—	5	—	3	87	720	—	—	—	—	—	—	—	—	—
HARTLEPOOL: Population, 18,180 Sanitary Inspector—G. A. Ward.		3	130	—	1	1	—	—	—	—	1	30	1	7	—	16	2	—	3	3	—	29	235	1	—	—	—	56	54	2	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		1	17	—	—	—	—	—	—	—	1	1	—	1	—	—	—	—	—	—	1	—	22	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		3	75	—	1	1	—	—	—	—	1	22	—	5	—	12	2	—	3	3	—	26	163	—	—	—	—	—	—	—	—	—
JARROW: Population 31,310 Sanitary Inspector—R. C. Thompson.		10	411	—	8	—	18	—	14	—	8	55	1	—	—	17	2	—	—	2	13	5	566	—	—	—	—	18	52	—	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		1	69	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	2	—	79	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		8	441	—	8	—	18	—	14	—	6	55	1	—	—	16	5	1	—	2	13	4	598	—	—	—	—	—	—	—	—	—
STOCKTON: Population, 67,170 Sanitary Inspector—E. G. Power.		—	161	—	—	—	—	—	—	8	12	45	1	—	—	74	1	—	—	—	—	95	409	1	—	—	—	420	496	—	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	17	—	—	—	—	—	—	2	—	1	—	—	—	—	—	—	—	—	—	7	30	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		—	157	—	—	—	—	—	—	8	12	45	1	—	—	73	1	—	—	—	—	90	399	—	—	—	—	—	—	—	—	—
BARNARD CASTLE: Population, 3,934. Sanitary Inspector—F. L. White.		—	9	—	—	—	2	—	—	—	—	3	—	—	8	46	—	—	—	—	1	35	106	—	—	—	—	2	30	—	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	7	—	—	—	—	—	—	—	—	3	—	—	5	—	—	—	—	—	—	2	61	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		—	9	—	—	—	2	—	—	—	—	3	—	—	8	46	—	—	—	—	—	1	35	148	—	—	—	—	—	—	—	—
BILLINGHAM: Population, 20,680. Sanitary Inspector—A. H. Rushworth.		—	73	—	—	5	1	—	2	—	1	35	—	—	—	21	16	—	—	—	—	360	514	1	—	—	—	—	290	5	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	11	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	—	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		—	67	1	—	4	1	—	2	—	1	19	—	—	—	13	16	—	—	—	—	360	484	—	—	—	—	—	—	—	—	—
BISHOP AUCKLAND: Population, 35,710. Sanitary Inspectors—A. Spencer & J. G. Bainbridge.		1	450	—	2	—	4	—	3	77	7	6	—	—	—	205	—	—	—	—	—	49	804	2	—	—	—	213	213	—	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	5	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		1	433	—	2	—	4	—	3	77	7	5	—	—	—	201	—	—	—	—	—	49	782	—	—	—	—	—	—	—	—	—
BLAYDON: Population, 31,150. Sanitary Inspectors—T. P. Veitch & G. E. Renwick.		17	131	—	—	—	1	—	3	—	2	5	6	—	—	31	3	—	—	—	2	58	259	—	—	—	—	315	315	6	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		17	118	—	—	—	1	—	3	—	2	5	6	—	—	31	3	—	—	—	2	58	246	—	—	—	—	—	—	—	—	—
BOLDON: Population, 16,740. Sanitary Inspector—G. Hart.		9	7	1	—	1	2	—	3	2	1	2	—	—	—	27	1	—	—	—	1	—	57	—	—	—	—	76	90	1	—	—
Informal written Notices by Inspector																																
Formal Notices by Order of Authority		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nuisances abated after Notice		9	4	1	—	1	2	—	3	2	1	1	—	—	—	27	1	—	—	—	1	—	53	—	—	—	—	—	—	—	—	—

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TABLE C1.

SANITARY INSPECTORS' REPORTS—RURAL. 1937.

TABLE C1.		PUBLIC HEALTH ACTS—NOTICES SERVED AND NUISANCES ABATED.																				WATER, FOOD AND DRUGS.				PRECAUTIONS AGAINST INFECTIOUS DISEASE.						
RURAL DISTRICTS.		DWELLING-HOUSES AND SCHOOLS.			Lodging-houses.	Dairies and Milk-shops.	Cowsheds.	Bakehouses.	Slaughter-houses.	Ashpits and Privies.	Deposits of Refuse and Manure.	Water-closets.	Defective Yard Paving.	HOUSE DRAINAGE.			Water Supply.	Pigsties.	Animals Improperly Kept.	Offensive Trades.	Smoke Nuisances.	Other Nuisances.	TOTALS.	Samples of Water taken for Analysis.	Samples of Water condensed as unfit for use.	Seizures of Unwholesome Food.	Convictions for Exposing or Selling Unwholesome Food.	Lots of Infected Bedding Stowed or Destroyed.	Houses Disinfected after Infectious Disease.	Schools Disinfected after Infectious Disease.	Prosecutions for Exposure of Infected Persons or Things.	Convictions for Exposure of Infected Persons or Things.
		Foul Conditions.	Structural Defects.	Over-crowding.										Defective Traps.	No Disconnection from Sewers.	Other Faults.																
BARNARD CASTLE: Population, 17,460. Sanitary Inspectors— John G. Middleton and H. A. Smith.	Informal written Notices by Inspector	—	20	—	—	2	6	—	4	11	2	2	1	1	—	14	6	—	—	—	1	10	80	2	1	—	—	61	61	—	—	—
	Formal Notices by Order of Authority	—	14	—	—	1	6	—	3	8	3	1	1	1	—	14	5	—	—	—	1	10	68									
	Nuisances abated after Notice ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—									
CHESTER-LE-STREET: Population, 43,230. Sanitary Inspectors— Thos. Foster & T. S. Wadge.	Informal written Notices by Inspector	2	566	—	—	14	7	—	1	106	18	41	66	49	—	360	2	—	4	—	3	32	1261	23	13	—	—	—	—	—	—	—
	Formal Notices by Order of Authority	—	63	—	—	—	—	—	—	433	—	—	—	—	—	—	—	—	—	—	—	—	215									
	Nuisances abated after Notice ...	2	547	—	—	9	7	—	1	542	18	40	58	40	—	358	2	—	4	—	2	32	1662									
DARLINGTON: Population, 8,955. Sanitary Inspector— W. J. Pallister.	Informal written Notices by Inspector	1	27	1	—	25	37	—	2	—	1	2	—	—	—	5	15	—	—	1	—	2	119	14	7	4	—	—	59	—	—	—
	Formal Notices by Order of Authority	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3										
	Nuisances abated after Notice ...	1	28	1	—	20	32	—	2	—	1	2	—	—	—	3	7	—	1	—	2	100										
DURHAM: Population, 31,520. Sanitary Inspectors— Wm. Anderson & S. Beaver.	Informal written Notices by Inspector	11	184	2	—	5	56	2	36	3	1	14	2	—	—	44	5	—	2	3	1	27	398	4	—	—	—	514	514	2	—	—
	Formal Notices by Order of Authority	—	—	—	—	—	—	—	—	219	—	—	—	—	24	1	—	2	1	3	1	22	268									
	Nuisances abated after Notice ...	11	134	2	—	2	42	2	36	222	1	12	2	—	24	45	5	2	1	3	1	45	592									
EASINGTON: Population, 79,870. Sanitary Inspectors— C. W. Robson	Informal written Notices by Inspector	8	25	2	—	—	17	—	7	20	7	3	—	—	—	3	21	—	—	—	—	—	—	3	2	—	—	5	951	3	—	—
	Formal Notices by Order of Authority	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—										
	Nuisances abated after Notice ...	5	6	—	—	—	17	—	7	20	7	3	—	—	2	17	—	—	2	—	1	36	123									
LANCHESTER: Population, 15,640. Sanitary Inspectors— G. Rowe and F. E. Terry.	Informal written Notices by Inspector	9	809	2	—	35	147	—	2	43	37	28	21	—	—	133	55	—	6	1	3	218	1549	4	—	—	—	—	175	1	—	—
	Formal Notices by Order of Authority	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	3										
	Nuisances abated after Notice ...	8	404	2	—	26	99	—	2	9	37	25	17	—	—	106	50	—	6	1	2	218	1012									
SEDFIELD: Population, 33,700. Sanitary Inspectors— J. Stones, R. Clough and A. A. Maxwell.	Informal written Notices by Inspector	23	295	20	—	8	27	1	11	1	25	7	70	22	1	79	10	3	1	—	—	156	760	5	3	—	—	5	186	4	—	—
	Formal Notices by Order of Authority	—	15	—	—	—	—	—	—	387	—	—	—	—	—	—	—	—	—	—	5	407										
	Nuisances abated after Notice ...	23	278	—	—	8	20	1	11	388	25	7	70	22	1	79	8	3	1	—	—	139	1084									
STOCKTON: Population, 7,238. Sanitary Inspector— G. W. T. Brown.	Informal written Notices by Inspector	—	216	—	—	6	8	—	—	69	46	24	22	—	—	34	18	2	—	—	—	—	447	6	5	—	—	—	18	1	—	—
	Formal Notices by Order of Authority	—	2	—	—	—	—	—	2	69	46	24	22	—	—	34	18	2	—	—	—	2										
	Nuisances abated after Notice ...	—	27	—	—	6	8	—	—	69	46	24	22	—	—	34	18	2	—	—	—	—	258									
SUNDERLAND: Population, 24,440. Sanitary Inspector— Ernest Hitchen.	Informal written Notices by Inspector	6	221	1	—	3	8	1	—	66	8	36	16	5	1	11	6	1	1	—	1	116	509	1	—	13	—	157	161	1	—	—
	Formal Notices by Order of Authority	—	6	—	—	—	—	—	1	—	2	—	—	—	—	—	—	—	—	—	—	8										
	Nuisances abated after Notice ...	6	213	1	—	3	8	1	—	64	10	36	16	5	1	11	6	1	1	—	1	113	498									
WEARDALE: Population, 9,207. Sanitary Inspector— J. R. Ridley.	Informal written Notices by Inspector	—	57	—	—	16	87	1	—	59	4	19	1	2	—	37	58	—	—	—	—	—	343	1	—	—	—	—	53	—	—	—
	Formal Notices by Order of Authority	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—										
	Nuisances abated after Notice ...	—	57	—	—	16	87	1	—	59	4	19	1	2	—	37	58	—	—	—	—	—	343									

